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APPALACHIAN

LIVE STOCK, SEPT. 12-17
BENCH SHOW, SEPT. 22-24

PIGEON AND PET STOCK, SEPT. 27-OCT. 1
POULTRY, OCT. 5-12

EXPOSITION

JULY, 1910

THE INDUSTRIOUS HEN

ONE YEAR 50c---THREE YEARS \$1

AN ILLUSTRATED MONTHLY
FOR
POULTRY, LIVE STOCK AND THE FAIR

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**THE INDUSTRIOUS HEN
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Knoxville Tenn.



STATE FAIR POULTRY SHOW, NASHVILLE, SEPT. 19-24

HEN AND CHICKS

The New, Illustrated Book

ON

“How to Make Money Raising Poultry”

PUBLISHED BY

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It contains over 300 pages, and there is something interesting and valuable on every page.

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Among the hundreds of topics treated in this wonderful poultry book which will be found interesting and instructive to everybody we have room to mention only a few: Eggs in Winter; How to Get Them; Cure for Cholera; Causes of Diarrhoea; Chick Growing and Chick Feeding; Caring for Little Chicks; Feeding with a Purpose; Mating Rhode Island Reds; What Constitutes a Profitable Poultry Farm; Facts About Gapes; Worms in Fowls; Green Feed in Winter; The Leghorns—Past, Present and Future; Warding Off Disease; Utility Birds; History of Indian Run-

ner Ducks; About In-breeding; How to Care for Breeding Stock; Caponizing; Mating Brown Leghorns; Treatment for Lice; When Should Chickens Perch? How to Get Layers; Summer Care; Varieties for Market; Points in Poultry House Construction; Poultry for Home Use; How to Fatten; Common Mistakes of Farmers; The Pekin Duck; How Many Hens? Feather Eating; How to Care for New Hatches; Profitable Turkey Culture; To Succeed with Farm Poultry; An Egg Preservative.

HUNDREDS OF OTHER SUBJECTS EQUIVALLY INTERESTING, and that you will be delighted to read with profit and pleasure.

HEN AND CHICKS is printed on a good quality of book paper, is nicely illustrated and bound in paper, and sells for 50 cents per copy, postage prepaid. It's a mighty dull man that can't get many times 50 cents worth of information out of this book.

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SINGLE COMB

First prize winners at Memphis, Little Rock and everywhere shown to date. Eggs now \$1.50 per 15. Stock for sale. Address

W. F. KILMAN, Bald Knob, Ark.

HARP'S S. C. BUFF ORPINGTONS AND BUFF COCHIN BANTAMS

Prize winners and egg layers. Mating list of five grand pens for the asking. No stock for sale. ROGER V. HARP, Short St. LEXINGTON, KY.


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THE BEST IN THE WORLD
12 for 15c, 25 for 25c, 50 for 40c,
100 for 65c.
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THE CLEARNESS OF OUR
CUTS, THEY PRINT WELL



TENNESSEE ENGRAVING CO.

718 CHERRY STREET
CHATTANOOGA, TENN.

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BARRED MINORCAS WHITE MINORCAS BUTTERCUPS S. C. RHODE ISLAND REDS

This is a great quartet. I have sold out all other breeds, to devote time and space to above kinds. I am getting more eggs than I can use, therefore have decided to offer eggs for balance of this season as follows:

Barred Minorca Eggs, from 6 pens, assorted	\$3.00 for 15.
White Minorca Eggs, from 1 pen, first prize Crystal Palace winners	3.00 for 15.
Buttercups, 4 pens, assorted	2.00 for 15.
Single Comb Rhode Island Reds, 5 pens assorted	2.00 for 15.

The Barred Minorca is a great fowl and sure to win favor. The Buttercups are little wonders. My Reds are as good as the best.

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Are noted layers and winners. 400 pullets and 100 cockerels for sale. Also a few hens and five winning cocks. Winners of all firsts at Louisville and Lexington, 1910; also winners at Nashville, Cincinnati and Kentucky State Fair.

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Our pens for sale after June 15th to make room for young stock. Write for prices at once. Eggs \$1.50 to \$2.50 per 15.

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DO YOU KNOW J. A. THORNHILL?

He breeds quality Single Comb Brown Leghorns and Rhode Island Reds. A few cockerels for sale.

THORNHILL'S POULTRY FARM,

Hartsells, Ala.



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SINGLE COMB WHITE LEGHORNS

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APPALACHIAN EXPOSITION
POULTRY MEN

Hotel Imperial

Knoxville's Most Modern and
Up-to-date Hotel

LONG DISTANCE PHONES IN EVERY ROOM

Rates: \$2.50 and up

Rooms with Bath,
\$3.50 and \$4.00 Per Day

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BROWN LEGHORNS

E. E. CARTER
KNOXVILLE, TENN.

Dept. I. H. 967 Broadway

White Plymouth Rocks

White as pearl. Great layers. Young stock for sale at reasonable prices. Write me your wants.

G. W. BUNCH

Floralhill, Ga.

"ONLY" ROSE COMB RHODE ISLAND REDS

Promising "Red" youngsters for sale after September the first, bred from my Hagerstown and Washington, D. C. winners—also some of my this season's breeders after July the first.

M. C. RICHARDSON, Jr., Front Royal, Va.
Member Red Clubs

PARRISH STRAIN COLUMBIAN WYANDOTTES

I am through hatching and will sell eggs and breeders at

HALF PRICE EGGS AND STOCK AT HALF PRICE

• Write for Catalogue.

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NORTH STA., NASHVILLE, TENN.

DENNIE'S QUALITY BUFF ORPINGTONS

Have pleased in the past and must please in the future. As layers and breeders they cannot be excelled.

Eggs \$5.00 for 15. Two nice cockerels for sale. If you want some good Buffs, write me your wants—they are a pleasure.

WEST LAWN POULTRY YARDS
JOHN C. DENNIE
61 Gilmore Ave., Nashville, Tenn.

I HAVE FINE
BUFF ORPINGTONS FOR SALE
Old and Young Stock.
Geo. E. Patton
Box 62 MORGANTON, N. C.

ROYAL STRAIN BARRED P. ROCKS

Are winning for us again this season as they have done in the past. Won 1st hen and 3rd cockerel, in Atlanta, Ga., 19 hens and 22 cockerels in class. Also winning this year at several other shows. Our birds are noted for their beauty of shape and barring. We are making a specialty of exhibition cockerels, eggs \$8.00 per setting of 15; two settings for \$5.00.

DES-RENA POULTRY YARDS.

SICILIAN BUTTERCUPS

New, Original Imported Blood
Young Stock for Sale . . .

IF YOU WANT GENUINE BUTTERCUPS SEND FOR MY CIRCULAR

MRS. J. S. DUMARESQ

Cato's Hall

EASTON, MARYLAND

90 DAYS BIG BARGAINS IN YEARLING BREEDERS & FINE COCKERELS TO MAKE ROOM
WILBER'S } SINGLE COMB WHITE LEGHORNS
WORLD'S } THE EVERY DAY LAYERS
BEST } IMPORTED INDIAN RUNNER DUCKS
THE MONEY MAKERS

Bred to lay and win and do it. Winning for our patrons and ourselves in many of America's best shows the Royal Blue. Unexcelled the world over for greatest egg production and beauty. "THEY'RE BRED THAT WAY." Hundreds fine growing and maturing youngsters at from \$2 up according to quality. Show birds a matter of tell us your wants; we have lots of them at right prices, fit for any show. Many yearling breeding hens at bargains, and for 90 days they must go with many nice cockerels at reduced prices to make room for growing stock, \$1.50, \$2 and \$3, and very choice ones at \$5. To improve the laying qualities of your flock, eggs half price balance of season, \$1, \$2 and \$3 for 15. If you want your money's worth and then some, mail order today or write your wants. SATISFACTION SURE. Handsome catalogue for stamp. 18 years the White Leghorn men.

WILBER BROS., Route 4, Box C, Cleveland, Tennessee

TERRELL'S S. C. R. I. REDS

Bred for utility, also fancy points. My birds have been winners since 1904 at such shows as Aberdeen and Meridian, Miss.; Nashville and Bristol, Tenn., Augusta and Atlanta, Ga., Charleston, S. C., Houston and Marshall, Texas, Birmingham, Montgomery and Mobile, Ala., also in the hands of my customers at many of the Big Southern Shows, such as Dallas and Ft. Worth, Texas, Oakland, Cal., and Portland, Ore. Eggs, Prize Mating, \$5.00, Special Mating, \$2.00—half price after May 1st. Some good breeding stock for sale. Write for circular of winnings and matings.

L. K. TERRELL,

BIRMINGHAM, ALA.

S. C. BUFF LEGHORNS

Booking orders for eggs from the best in the South.

Eggs \$2.00 and \$3.00 per setting of 15.

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FREE HOMESTEADS

from 40 to 160 acres land in Ala., Ark., Fla., La. and Miss., given away by the United States Government to successful applicants. Send 25c. for information and application form.

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SUPERIOR QUALITY BREEDS

(At St. Louis, 1909)

Awarded Highest Honors. Andalusians—1 cock, 2 hen, 2 pullet. Columbians—2 hen, 4 prizes and 6 entries. Over 5000 birds competing from 22 states. Also won at Tenn. State Fair, including Orpingtons. We have the goods, come to us.

Martin Poultry Farm, R. 5, Nashville, Tenn.

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WM. J. BRYAN

on the all-absorbing public questions of the day in his great weekly paper

The COMMONER

By special arrangements we will send The Commoner and THE INDUSTRIOUS HEN both one year for only \$1.00.

The Industrious Hen Co.

KNOXVILLE, TENNESSEE

S. C. RHODE ISLAND RED EGGS AT HALF PRICE

All prize matings. Write for show record and 1910 catalogue. Now is the time to order young stock for the fall shows. Have hundreds of them and guarantee satisfaction.

F. G. DAVIS
ROSEBANK POULTRY FARM
Rosebank Ave. or R. R. 10, Nashville, Tenn.

THE INDUSTRIOUS HEN

An Illustrated Monthly for Poultry, Live Stock and the Farm

Vol. 7

Knoxville, Tenn., July, 1910

(Whole No. 74) No. 2

Appalachian Exposition Poultry Show

Faneiers of Eight States Contribute to Make Largest and Best
Exhibition of the Season—Cash Prizes and Gold Cups
in Great Numbers—Poultry Institute and
Other Special Features

THE time is now but little more than thirty days off when the gates of the great Appalachian Exposition will be opened to the world. All buildings are nearing completion, the grounds have been beautified and put in order, and it only remains to add a few finishing touches here and there, that the original plans may be carried out in every particular. Great credit is due President Oliver, and his able assistant, Sandford H. Cohen, Director-General W. M. Goodman, and the heads of the various departments for the exceptionally satisfactory manner in which the entire work of promoting and building the big Exposition has been carried forward. It was a great undertaking—a progressive movement that was from the start recognized as being of immense value to a great, but only slightly developed territory, and it is sufficient to say that the eight or more states directly interested will do their full share toward having a greater, bigger and better Appalachian Exposition than was at first anticipated.

The poultry section of the big Exposition has by no means been neglected. In fact it was determined from the beginning to make this one of the main features. It was soon seen that the list of exhibitors would be unusually large, and in order to insure the fullest co-operation from all sections, the following representative poultrymen were appointed to hold the show, and to direct the affairs of the

POULTRY SECTION.

October 5 to 12, 1910.

L. B. Audigier, Director; John E. Jennings, Secretary; J. C. Vaughan, Superintendent; J. A. Dinwiddie, S. E. Demarcus, Harry Jennings, Assistant Superintendents.

EXPOSITION POULTRY SHOW COMMITTEE.

L. B. Audigier, Chairman; J. H. Henderson, J. C. White, E. E. Carter, R. P. Williams, W. J. Fraser, Knoxville, Tenn.; Mrs. S. C. Bridgewater, Dixon Springs, Tenn.; J. A. Murkin, Nashville, Tenn.; C. O. Harwell, Atlanta, Ga.; W. C. Cleckley,

Augusta, Ga.; J. P. Swift, Waynesville, N. C.; J. E. Hage, Asheville, N. C.; B. S. Horne, Keswick, Va.; T. S. Meek, Wheeling, W. Va.; A. K. Kessler, Huntington, W. Va.; C. F. Ward, Winter Park, Fla.; L. C. Marsh, Washington, Miss.; C. T. Fallin, Greenville, S. C.; C. H. Dozier, Marion, Ala.; W. H. Hofferbert, Gadsden, Ala.; F. L. Smith, Lexington, Ky.; John H. Good, Louisville, Ky.; J. G. Blair, Cullisle, Ky.

For judges the country was canvassed for the best to be found, and we do not think the four secured could possibly be improved upon. They are J. H. Drenstedt, New York City; W. Theo. Wittman, Allentown, Pa.; F. J. Marshall, College Park, Ga.; D. M. Owen, Athens, Tenn. No honest exhibitor need fear to risk his fortune in the hands of any one of these gentlemen, all of whom are noted for their impartial decisions at the big shows throughout the country.

The Exposition Poultry Show will be held strictly under the rules of the American Poultry Association, and all awards will be made by comparison. These rules will be printed in the premium list which will be ready for distribution about August 15th. Parties interested should write to John E. Jennings, Secretary, Knoxville requesting entry blanks.

During poultry show week there will be many interesting and unusual features in store for those who attend. Among other features of real practical value to all poultrymen will be a

POULTRY INSTITUTE

conducted by Judge S. T. Campbell, Secretary-Treasurer American Poultry Association.

Illustrated lectures by R. R. Slocum, Animal Husbandman in Poultry Investigations, U. S. Department of Agriculture, Washington, D. C.

Thos. S. Meek, Secretary-Treasurer West Virginia Branch, American Poultry Association, Wheeling, W. Va., will talk on "A Plea for More Institutes."



James G. Halpin, poultry expert, Agricultural Experiment Station, Madison, Wis., will discuss "Winter Egg Production."

Judge S. T. Campbell will lecture on "Breed Types" and demonstrate with live poultry.

Among others that will be present and deliver addresses will be Prof. A. A. Brigham, Brookings, S. D.; Reese V. Hicks, Topeka, Kan., formerly of Tennessee, and others.

Our judges will give demonstrations on mating, breeding, and judging all varieties of fowls.

Poultry institute program will be published in full in the regular premium list.

THE ASSIGNMENT OF JUDGES.

The judges will be assigned as follows:

J. H. Drevestadt—

All Rhode Island Reds, Plymouth Rocks and Orpingtons.

F. J. Marshall—

All Wyandottes and Games, including Cornish.

W. Theo. Wittman—

All Leghorns, Bantams, and Hamburgs.

D. M. Owen—

Light and Dark Brahmans, all Cochins, Black and White Langshans, all Minorcas and Houdans.

Varieties not above mentioned and Turkeys, Ducks and Geese will be assigned as may be found proper to equalize the work of the judges.

Birds should be delivered or sent by express to J. C. Vaughan, Superintendent Poultry Section, Appalachian Exposition, Knoxville, Tenn. Exhibitors need not accompany birds, but may ship same by express, prepaid.

The Appalachian Exposition will give birds proper attention but will not be responsible for any loss or damage that may occur.

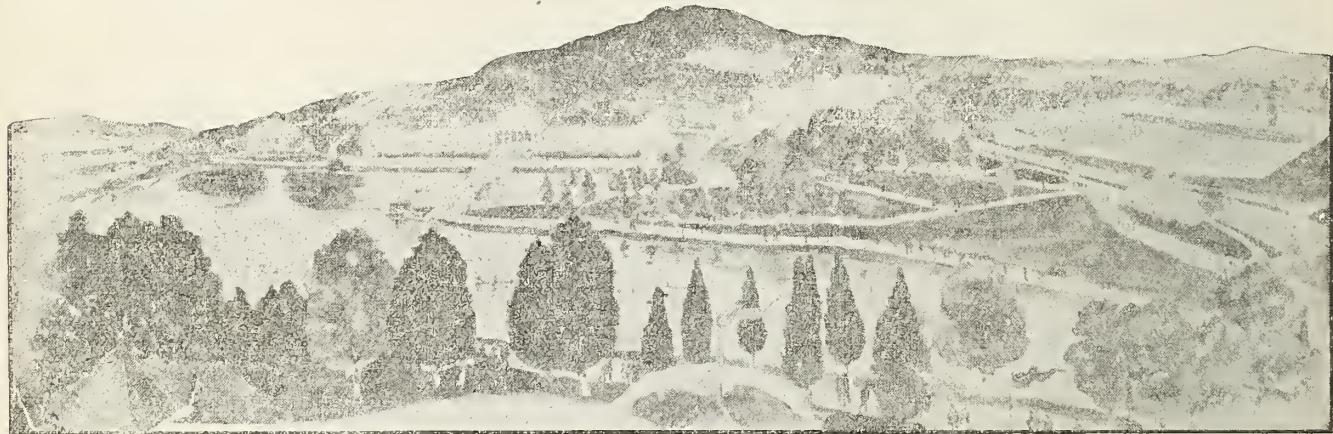
Shipping coops must be marked with name of breed, sex and number of birds contained, and address of exhibitor, so as to insure their prompt return at the close of the Exposition. Printed shipping tags will be furnished with entry blanks.

All birds for exhibition shall be in place not later than 9 o'clock a. m., Wednesday, Oct. 5th. Birds unavoidably detained in transit may be admitted at the discretion of the superintendent in charge.

The terms "cock," "hen," "cockerel," "pullet" are thus defined: cock and hen are birds hatched prior to 1910; cockerel and pullet are birds hatched during 1910. A breeding pen shall consist of one male and four females, to be made up of old or young birds or both.

Any specimen showing symptoms of disease when received, or during the exhibition will be immediately removed from the building and returned to the owner.

No birds may be removed from the exhibition building without the written consent of the superintendent. Exhibitors desiring to dispose of their stock may attach a price card to the coop.



BIRD'S-EYE VIEW OF GROUNDS SHOWING LAKE IN FRONT, AND HORSE-SHOW GROUNDS TO THE RIGHT, APPALACHIAN EXPOSITION

For the benefit of exhibitors we publish below a summary of the more important.

RULES AND REGULATIONS.

Entries close midnight, Sept. 24, 1910.

Judging begins at one o'clock p. m., Wednesday, Oct. 5. Judges will be empowered to withhold prizes when in their opinion specimens are not of sufficient merit.

Entry fee, single birds, 50 cents; exhibition pens, \$2.00, which includes care, cooping and feed. Entries in all poultry classes shall consist of single specimens and breeding pens, pens to be entered and shown separately. Birds in single entries cannot compete in pens, nor breeding pen entries in single classes.

All entries must be made in writing on entry blanks furnished by the Exposition Poultry Show, addressed to the Secretary, John E. Jennings, Knoxville, Tenn., and should be mailed not later than Friday, Sept. 23, 1910; earlier if possible.

Entries must be accompanied by the amount of entrance fee, either express, money order, exchange or check, made payable to John E. Jennings, Secretary. A special entry blank has been prepared for the poultry section and will be mailed on application.

Appalachian Exposition leg bands will be furnished exhibitors free, and will be sent on receipt of entry blanks, together with coop number and shipping tag. All birds must be banded before shipped. Leg bands used are "The Leader," furnished by the Keyes-Davis Company, Battle Creek, Mich., are adjustable to all size birds and easily applied.

Express charges must be paid in full by shipper; otherwise birds will not be received.

Exhibitors' tickets will be issued free of charge for one person whose entry fee amounts to \$3.00 or more. These tickets are not transferable.

For convenience and for the information of visitors in general, all coops will be plainly labeled showing the name of the breed.

The premiums shall be designated by a handsome satin ribbon properly printed. First premium, blue; second premium, red; third premium, old gold; fourth premium, green; fifth premium, white. Ribbons will be delivered to the exhibitors but will not be placed on the coops except at their request. This action is taken by the Exposition to protect the ribbons; however, should exhibitors desire to place them on the coops, either outside or inside, after the awards are made, they have permission to do so.

Suitable advertising cards may be placed on the coops after the ribbons have been placed, but no advertising of any kind will be permitted until after that time. Such advertising cards sent to the secretary with necessary instructions will receive proper attention.

Up-to-date uniform coops, of improved pattern will be furnished.

CLASSIFICATION.

CLASS 1. AMERICAN.

Plymouth Rocks—Barred, Columbian, White, Buff, Silver, Partridge, A. O. V. *Wyandottes*—Silver, Golden, White, Black, Buff, Partridge, Silver Penciled, Columbian, A. O. V. *Javas*—Any color. *Dominiques*. *Rhode Island Reds*—Single Comb, Rose Comb.

CLASS 2. ASIATIC.

Brahmas—Light, Dark. *Cochins*—Buff, Partridge, White, Black. *Langshans*—Black, White.

CLASS 3. MEDITERRANEAN.

Leghorns—Brown, White, Buff, Black, Silver, Duckwing, Rose-Comb-Brown, Rose-Comb-White, A. O. V. *Minorcas*—Black, Rose-Comb-Black, White. *Andalusians*—Blue. *Spanish*—White Faced, Black. *Anconas*—Mottled.

CLASS 4. ENGLISH.

Dorking—White, Silver-grey, Colored. *Orpington*—Single Comb, Buff, Black, White, A. O. V., Rose Comb, any color.



JOINT JUDGES' SILVER LOVING CUP.

CLASS 5. POLISH.

White Crested Black, Golden Bearded, Silver Bearded, White Bearded, Buff Laced, Golden, Silver, White.

CLASS 6. HAMBURGS.

Golden Spangled, Silver Spangled, Golden Penciled, Silver Penciled, White, Black.

CLASS 7. FRENCH.

Houdans—Mottled. *Crevecouers*—Black. *Lafleche*—Black.

CLASS 8. GAMES AND GAME BANTAMS.

Black Breasted Red, Brown Red, Golden Duckwing, Silver Duckwing, Birchen, Red Pyle, White, Black, A. O. V.

CLASS 9. ORIENTAL GAMES.

Cornish—Dark, White, White Laced, Red. *Sumatras*—Black. *Malay*—Black Breasted Red.

CLASS 10. ORNAMENTAL BANTAMS.

Sebright—Golden, Silver, Rose Comb, White, Black. *Booted*—Any Variety. *Brahma*—Light, Dark. *Cochin*—Buff, Partridge, White, Black, A. O. V. *Japanese*—Black Tailed, White, Black, A. O. V. *Polish*—Bearded White, Non-Bearded, Buff Laced, A. O. V.

CLASS 11. -MISCELLANEOUS.

Silkies—Any color. *Sultan*—White. *Frizzles*—Any color. *Rumpless*—Any color. *Pit Game*—Any color. *Long Tailed Phoenix*—Any color. *Poultry*—A. O. V. *Bantams*—A. O. V. *Pheasants*—Classes for all standard varieties. *Pea Fowl*. *Guineas*—Pearl, White. *Capons*—Any color.

CLASS 12. TURKEYS.

Bronze, Narragansett, Bourbon Red, White, Black, Wild, A. O. V.

CLASS 13. DUCKS.

Pekin, *Aylesbury*, *Rouen*, *Cayuga* *Call*—Gray, White. *East India*, *Crested White*. *Muscovy*—Colored, White. *Indian Runner*—Blue Swedish, Wild, A. O. V.

CLASS 14. GEESE.

Toulouse, *Emden*, *African*, *Brown Chinese*, *White Chinese*, Wild, A. O. V.

N. B.—While the above classification will be strictly adhered to, it is possible under the "A. O. V.'s," "Any Colors," "A. O. V. Poultry," "A. O. V. Bantams" to show any variety of poultry known, new or old, and poultry fanciers of such should not fail to avail themselves of its privileges. Cash prizes will be paid to all deserving exhibitors of birds not in the foregoing classification.

CASH PREMIUMS.

Cash prizes will be paid on cock, hen, cockerel, pullet, and exhibition pen, turkeys excepted, in each variety given in classification as follows:

Single Birds—First prize, \$2.00; second, \$1.00; third, fourth and fifth, ribbon.

Exhibition Pens—First, \$3.00; second, \$2.00; third, \$1.00; fourth and fifth, ribbon.

Turkeys will be paid \$2.00 for first, \$1.00 for second, and ribbon for third, fourth and fifth.

However, a bird or pen receiving first, in order to win first prize money must have competition or same will be withheld and second money paid. No pen prizes offered for turkeys or water fowls.

SILVER CUP AND GOLD SPECIALS.

\$205.00 for display of single breeds to be divided as follows:

\$50.00 in gold and a handsome silver cup, value \$100, to be known as the Appalachian Exposition Poultry Show Cup, for the largest display of any one breed.

\$25.00 in gold to second largest display.

\$15.00 in gold to third largest display.

\$10.00 in gold to fourth largest display.

\$5.00 in gold to fifth largest display.

SPECIAL CASH STATE PRIZES.

\$120.00 in gold for best pens of birds shown from the eight Appalachian States, to be known as the Appalachian Exposition Poultry Show State Specials.

\$10.00 in gold for the best pen of birds, any breed, shown from the State of Tennessee. \$5.00 for second pen.

\$10.00 in gold for the best pen of birds, any breed, shown from the State of North Carolina. \$5.00 for second pen.

\$10.00 in gold for the best pen of birds, any breed, shown from the State of South Carolina. \$5.00 for second pen.



THE INDUSTRIOUS HEN SILVER LOVING CUP.

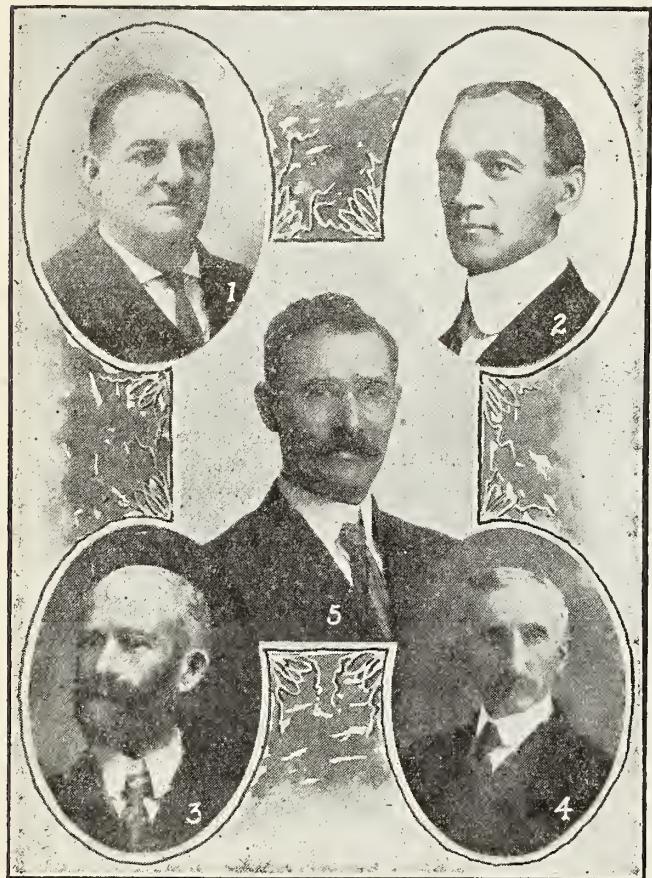
\$10.00 in gold for the best pen of birds, any breed, shown from the State of Georgia. \$5.00 for second pen.

\$10.00 in gold for the best pen of birds, any breed, shown from the State of Alabama. \$5.00 for second pen.

\$10.00 in gold for the best pen of birds, any breed, shown from the State of Virginia. \$5.00 for second pen.

\$10.00 in gold for the best pen of birds, any breed, shown from the State of Kentucky. \$5.00 for second pen.

The American Poultry Association offers to its members only, one gold medal, value \$20, for best cockerel in the following classes: American, Asiatic, Mediterranean and English.



JUDGES OF THE APPALACHIAN POULTRY SHOW

1. J. H. Drenstedt	3. J. H. Marshall
2. W. Theo. Wittman	4. D. M. Owen
5. L. B. Audgier, Director.	

Silver medals will be awarded to the best cockerels in these four classes of all varieties, as found in the American Standard of Perfection.

A silver medal will be awarded for the best male bird under one year old.

A diploma for the best male bird under one year old, of all standard varieties.

A large number of handsome silver cups will be offered. Among those already announced is one from the Southern Planter, Richmond, Va.; Poultry Culture, Topeka, Kan.; Western Poultry Journal, Cedar Rapids, Iowa; and The Industrious Hen, Knoxville, Tenn.

A number of specialty club cups will be awarded. See official premium list for complete line of cups, ribbons and specials.

A special Joint Judges' Silver Loving Cup, valued at \$100.00, will be awarded to the exhibitor whose birds of one variety show the highest degree of excellence and the greatest uniformity of type and breeding. This will be one of the handsomest cups ever seen at any poultry show. It will be about two feet high and handsomely engraved. Better get your best birds of one variety in tip-top shape for this special. It will be grand, and the winner will certainly have abundant reason to "crow" over this trophy.

The Augusta Poultry Association, of Augusta, Ga., offers one silver loving cup, valued at \$50.00, for the best

American bred cockerel in the show, open to all varieties, all states competing.

The Georgia Poultry Association, Atlanta, offers a silver loving cup for best display of one variety, competition open to members of the Association only.

THE INDUSTRIOUS HEN, Knoxville, Tenn., offers one Silver Loving Cup, valued at \$25.00 for the best hen in the American, Asiatic, Mediterranean or English classes.

THE INDUSTRIOUS HEN also offers a three year's subscription in each class as follows:

For the best hen in the Polish class.

For the best hen in the Hamburg class.

For the best hen in the French class.

For the best hen in the Game and Guinea class.

For the best hen in the Bantam class.

For the best hen in the Oriental Game class.

For the best hen in the Oriental class.

For the best hen in the Miscellaneous class.

For the best pair of any breed of Pheasants.

For the best pair of Pearl Guineas.

For the best pair of White Guineas.

For the best pair of any breed of Turkeys.

For the best pair of any breed of Ducks.

For the best pair of any breed of Geese.

One year's subscription to THE INDUSTRIOUS HEN will be given for the second best hen in the foregoing varieties.

OTHER BIG ATTRACTIONS.

Exposition Live Stock Show will be held September 12-17. Dr. M. Jacob, Knoxville, chairman.

Bench Show, September 21-24. Henry Martin, Cincinnati, Ohio, and A. F. Hockwalt, Dayton, Ohio, judges. W. J. Farmer, superintendent. R. A. Coffman, W. S. Needham, C. G. McNabb, J. B. Lane, assistant superintendents. Jacob & Shaw, veterinarians.

Pigeon and Pet Stock Show, September 27 to October 1. George Ewald, Dr. J. D. Reynolds and F. C. Borchardt, judges. J. A. Dinwiddie, superintendent. Flem Hazen and F. J. Williams, assistant superintendents.

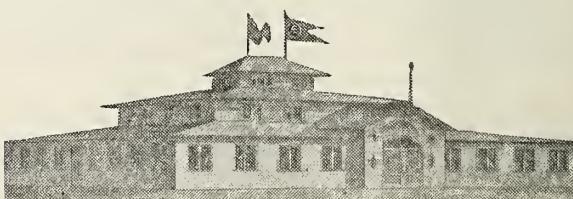
CHEAP ROUND TRIP RAILROAD RATES.

A cent-a-mile fare has been granted on all the railroads leading to Knoxville. Rates from some of the points, round trip, limit eight days are as follows: Washington, \$10.95; Richmond, \$9.45; Norfolk, \$11.05; Memphis, \$8.70; Cincinnati, \$6.40; Atlanta, \$4.20; New Orleans, \$12.40; Jacksonville, \$11.20; St. Louis, \$12.55; Augusta, \$6.90; Charleston, \$9.70; Chattanooga, \$3.00;* Bristol, 3.40;* Nashville, \$4.60.

*Admission to Exposition Grounds.

Tennessee State Fair Poultry Show

Never before has there been so much interest shown in the Poultry Department of the Tennessee State Fair as is being shown this year, nor is it confined to any particular section. Breeders in all parts of the country as far North as New York State and as far West as Texas are writing for premium lists and entry blanks, and signifying their intention of showing at the Tennessee State Fair Show. Thirty-five thousand square feet of space has been assigned to the Poultry Department this year, and the show will undoubtedly be the biggest ever held in the Southern States. The exhibits of brooders, incubators, poultry feeds and appliances will be large. Among the prominent features of the Tennessee State Fair Poultry Show this year, will be the exhibit of three hundred Pheasants, (twenty varieties), from China, Manchuria, Java, New Guinea, Thibet, Mexico, England, Scotland, Borneo, and Japan. Also the finest exhibit of cranes, in America, from Africa. There will also be a great collection of ornamental fowls from various foreign countries, such as the Indian Peacock, the Java Peacock, Crown Pigeons from India, South American Screamers, etc. Peggy the famous \$10,000 hen will be on exhibition, and many other attractions that will interest all who attend the great exhibition. Premium lists and entry blanks can be had by addressing John A. Murkin, Nashville, Tenn.



POLTRY, PIGEON AND PET STOCK BUILDING.
APPALACHIAN EXPOSITION.

The Appalachian Exposition at Knoxville

By Mrs. S. C. Bridgewater, Dixon Springs, Tenn.

The merchant and mechanic say come,
The miner and manufacturer say come,
The farmer and fancier say come,
The bride and the bridegroom say come,
And whosoever heareth, let him come to the Appalachian
Exposition!

It is the day-dawn of new interests and potentialities.
It is the bright and morning star arising through the
misty mountain-tops of Virginia's Blue Ridges.

It is the root and the offspring of the generosity and
evangelical spirit of the Alleghenies.

It is the lily of the valley that has blossomed under
the brows of Tennessee's old Smokies.

It is the first and the last of *trial* shows in this region,
for *after* this it will be accorded its rightful place in the
honor rolls of exploitation of resources and industries.

It will be the Alpha and the Omega of the middle South
as pertains to exhibitions—for its fame will carry it away
from *place* and boundaries, and spreading the great wings of
its success it will plume its flight from sea to sea and become
the grey eagle that will pause above the federation of the
States and enfold them within the shadow of its encircling
wings bearing in its beak the old Roman trio—“*E Pluribus
Unum*”—our worthy motto.

This is my prophecy and how can it fail?

Everything has been done that art and nature can do to
make it both replete and *complete*.

One hundred acres, broad, fertile and beautiful have been
allotted as its area.

Its features are kaleidoscopic in their pleasing variety.
There are many amusements and an autodrome and race track
will furnish aviation feats and automobile races and horse
racing besides the usual “midway” delights for pleasure seekers.
There will be diversified agricultural displays—the prizes
for these ranging from \$200.00 to \$1,000.00. Mineral and
forestry displays—raw material and finished products—art,
domestic science, live stock and pet stock will all be repre-
sented. There will be large government exhibits showing the
magnitude and far-reaching purposes of the managers.

The President of the United States will be there giving
recognition to the vastness of the enterprise in its educational,
commercial, industrial and social aspects.

Roosevelt—known and honored from Greenland's icy
mountains to Africa's sunny sands—will be there; and will
you not be there? How can you stay away?

It embraces not only special, but *general* interests—vital
among which is to accentuate the necessity of forest conser-
vation—to utter again the prayer of the poet—“Woodman,
spare that tree.”

The Exhibition knows the enormous revenue from poultry
and the exhaustless energy that is now being given to its
culture, and in acknowledgment of these things, it has fitted
a spacious building within the parks for the accommodation of
the many fanciers that will be there with their birds.

There is no computing the good that will accrue to all
who are engaged in this business. The social intercourse of
the high-class of breeders with each other will be invaluable.
The interchange and exchange of ideas and methods—will be
educative and enable us to *know* the exact status of our own
possessions.

The beauty of form and color and all other requisites
will be fully brought out by the real object before our eyes
—the discussion of points of excellence and the decisions of
our just judges.

The query of many hearts is *which* breed will bear away
the silver chalice that shall be its Holly Grail and make
knighthood blossom among the feathered tribes of his own
domain? Shall it not be our own Single Comb Buff Orpingtons?
It surely *must* be if we go and take them with us—for
to see them is to know their superiority. Many choice and
costly premiums are offered for the perfection of this breed.
Shall you not come and get your share? And not only *this*
but shall you not be there and *help* in this industry, as

“Its increasing purpose runs,

While the thoughts of men are widened

With the process of the suns?”

Shall not *every* State be represented? Everything that
benefits a *State* brings benediction to the nation—for our States
are but the members of the great throbbing heart of our
republic. So when we come to look at the Appalachian Ex-
position, we must consider it not as a sectional interest, but
rather as an *opportunity* to drop our pebble into a limpid
stream, whose swirling waters will go forth with their ever-
widening circle till the perimeters of their influence shall belt
the globe.

This is the broad view encompassed by the coming assem-
blage which is to meet in this Kingdom of the Mountains.
Blessed Kingdom! Her grand old trees are the earls and dukes.
The carnivals of her wild-wood songsters are the royal orches-
tras. Her magnolias are the court ladies. Her marbles are
the frescoes of palace halls. Her treasures of coal are the
gems awaiting the hand of man to bring forth their purest
rays serene to warm the widow and the orphan child. Her
rivulets and rivers are the precious stones for the tiaras of
the crown princes—and her King is the Lord God—Jehovah
sitting upon His throne amid the jasper walls and lighting
this region with the sunshine of His smile and watering it
with dew drops of His Eternal Glory.

Summer Care of Growing Stock

Extra Precaution Necessary to Keep Down Lice and Mites

By Thos. S. Allison, Louisville, Ky.

MORE attention should be paid to the care of breeding
and growing stock in the hot months. As houses and
yards are usually arranged so as to get the most sun-
shine during the winter months, it frequently happens that
these are hot, sweltering pens during the summer. The birds
will suffer in such pens as these, and are apt to be unprofit-
able to the owner. The best place to locate the houses is
in an orchard where the foliage affords protection from the
sun's rays in summer, and the bare limbs little obstacles to
the sun's rays in winter. The orchard is an ideal place, re-
ceiving much benefit from the fowls that fertilizes the ground,
and catch the bugs and worms which are injurious to the
fruit trees. In case there is no orchard or trees in the breed-
ing pens, artificial shade should be provided. One of the
best ways is to stretch burlap or muslin on a frame running
from the east to the west, which will provide shade during
the greater part of the day. This will give the fowls a lot
of comfort and is beneficial to their welfare.

Now is the time to fight the lice and mites more vigor-
ously, as these irritating pests multiply very rapidly during
the hot weather. Extra precaution should be taken to keep
them down. The painting of roosts and nest boxes with a
good liquid lice killer is necessary. The fowls should be
dusted every week or two with a good lice killer or insect

powder. Spade up a small portion of the pen, so as to pro-
vide a dusting place for the birds, as this will aid them in
keeping free from lice. Keep the houses clean, remove the
drop boards often and sprinkle with a little dry earth. See
that the straw is removed from the nest boxes and burnt up
often. The houses should have as much ventilation as pos-
sible during the hot summer nights. Cut down the amount
of corn in the feed, and give an abundant supply of green
food. Also a supply of fresh, pure water.

Now a few words as to the young growing stock. As
there is so much said in regard to the care of chicks in the
brooder, inexperienced poultrymen would think that the chicks
needed little or no care after being weaned from the brooders,
when in fact, there is not a day in the life of a chick that it
does not need the best of care. Chicks to mature well, must
be from good, healthy breeding stock of strong constitution.
Too many breeders use stock in their breeding pens that has
been cured of some disease, simply because it is an extra
nice bird. This is a great mistake, because a good many of
the chicks may inherit the disease, or will have weak vitality.
We do not mean to say that every bird that has had a
slight cold, or some slight ailment should be discarded from
the breeding pen, but such as have had an attack of roup

or more serious diseases. If the chicks are of healthy stock there should be no great trouble in raising them.

Do not let the chicks want for anything during the hot months, even if they are only for market purposes, as the difference in care will well repay the owner. Give plenty of good grain and green food, also a supply of beef scraps. Do not forget that plenty of fresh water is as important as good feed. We have found the following a good feed for growing stock: one part of cracked corn, two parts of wheat, one part of hulled oats, and one part of barley. This should be fed three times daily as much as they will eat up quickly. It is also a good plan to keep a hopper of dry mash before them. The chicks will not stand at these hoppers and fill up, as a great many people think, but will eat a little now and then, and more properly balance their ration. A good mash mixture is composed of the following: Two parts of wheat bran, one part corn-meal, two parts ground oats, one part beef scraps.

It is best to have the different sized chicks separate unless they have the run of a farm. Even then it is often better to have them separate at night and morning, so that the larger birds will not crowd the smaller ones away from the feed. It is also advisable to separate the cockerels as soon as they become troublesome, or they will worry the pullets and will mature too early and not be as large as they should.

Give the birds good care during these hot months and they will mature early and repay you by laying lots of eggs during the cold months.

Preventing Losses

Careless feeding is the cause of more deaths in the flock than any other one thing. Mushy feeds and those which have been allowed to sour cause bowel trouble which results in death. Feeding wet feeds on filthy spots and places which are filled with disease germs is another error which causes many losses. Feeding too heavily and not frequently enough is another mistake which results seriously to the little birds.

Recent experiments show that dry feed, fed on clean boards, or better still, in feeders, is the ideal way to feed the young chicks. The feed given, being dry, does not sour and does not cause bowel trouble. Neither do disease germs adhere to the particles to be taken into the system when the particles are swallowed.

The feed is present at all times so the chicks can partake of it as often as they desire. They do not become hungry nor do they overload their stomachs. With this arrangement, if the right kind of feed is fed, there need be but little loss from any of the stomach diseases.

For the chicks from one day to three weeks old, the feeder should contain principally steel-cut oatmeal, with a little cornmeal. After the birds are three weeks old, increase the amount of cornmeal gradually until at the end of five weeks, when the birds should be receiving equal parts of cornmeal and oatmeal. In case they do not get any insects in the run, a little beef meal should be added each day to the grain ration. Beef meal can be purchased from any of the dealers who handle poultry supplies. Blood meal or dried blood is also good, but it should be fed with caution, as too much will cause a loosening of the bowels, which may result in such weakening of the system that the bird will fall an easy victim to disease.

The Tennessee Circuit

The poultry business in the State of Tennessee is not only showing a wonderful increase and development, but the State itself is attracting the attention of the poultry breeders in every section of the land, for the number and quality of its high class poultry shows.

The County Fairs, the State Fairs and Expositions, are paying considerable attention to this department of farming life, and as a result there are more people paying attention to poultry in the State of Tennessee today than in any other state in the entire South. It has become one of the big industries of the State, and is going forward at a wonderful rate. Thousands of people attend these fairs each year for no other purpose than to see the poultry and purchase stock and eggs. Breeders come to Tennessee shows from every section of the Union. Many of the daily papers of the State are devoting column after column to poultry matters. The industry is being boomed as it never was before and it is only a question of a short while when the State of Tennessee will be in the lead as a poultry producing state.

The coming season will be a very noteworthy one in poultry circles inasmuch as three of the greatest poultry shows in the

country take place in this State during the months of September and October. The Tennessee State Fair Poultry Show will open the season at Nashville, September 19-24. This show has a national reputation for the number and quality of its birds. It is patronized by the leading breeders of the country and is today recognized as one of the greatest State Fair Shows in the Union. Following the Tennessee State Fair comes the Tri-State Fair Show in Memphis, September 27-October 4. This is another great exhibition and ranks with the best in the land. Then comes the Appalachian Exposition Show at Knoxville, October 5-12, which will be an event of great importance to poultry breeders. It will thus be seen that each of the three grand divisions of the State will have its show which will give the people of Tennessee, Arkansas, Mississippi, Alabama, Georgia, North and South Carolina, Virginia and Kentucky an opportunity to see the three best exhibitions of pure bred poultry that has ever been held in America. It will also afford the breeders an opportunity to make a circuit this fall that will far surpass any poultry circuit ever arranged. Special cars have been arranged for to carry the birds direct from Nashville to Memphis, and from Memphis to Knoxville at the close of each show. This circuit should be especially interesting to the Northern breeders as it will give them an opportunity to show their birds to over a million people, and in a section of the country where the people are becoming more and more interested in poultry every day.

Sends Chickens to Switzerland

Mr. W. R. Teepell, of Knoxville, proprietor of the "Cottage Home Garden," has a record for long distance poultry shipments that might well make anyone feel proud. Mr. Teepell breeds White Wyandottes, exclusively, that are known far and wide as being unsurpassed by any other strain in this country. Recently he received an order for a pen of his superb birds from Zurich, Switzerland, and a cockerel and four pullets were nicely cooped and started on their long journey. The shipment was routed via New York to Genoa, Italy; and from Genoa to Zurich, the total distance the birds will travel being 5,000 miles. Mr. Teepell was thoughtful enough to supply crushed grains and grit to sustain and comfort the feathered beauties on the route. Mr. Teepell has heretofore sent eggs to Switzerland, but this is said to be the first shipment of stock from this section to cross the ocean.

Tennessee State Poultry Association

We are pleased to note that the initial step has been taken looking toward the formation of a State Poultry Association. In response to a call issued by Mr. E. L. Doak, Chairman of the Poultry Committee of the Nashville Board of Trade, over one hundred poultry breeders assembled and perfected plans for a State organization. It is proposed to organize every county in the State as a branch of the State organization. An effort will be made to secure an appropriation from the next Legislature for the purpose of furthering the poultry interests of the State. Tennessee is the best poultry producing State in the Union, its climatic conditions, grains, grasses, soils, etc., are unequaled by any other State in the Union. The cost of production is lower in this State than in almost any other section of the country, and there is no reason why she should not take her rightful place among the greatest poultry-producing States of the Union. There is no limit to the possibilities of poultry raising in Tennessee.

Southern Poultry Magazine.

Clairborne says poultry manure is equal as a fertilizer to the best article of Peruvian guano, and if properly cared for under cover, is worth as much as Pacific guano, which is usually worth from \$40 to \$50 per ton. Professor Norton says that 300 pounds of well kept hen manure are equal in value to 14 or 16 two-horse loads of stable manure. Science in Farming says 100 pounds of fresh hen manure contains 32.6 pounds of nitrogen, 30.8 pounds phosphoric acid, and 17 pounds of potash.

Mr. Howe, one of the most successful broiler raisers that ever lived in Hammonton, said the credit for his success belonged to "eternal vigilance." A man must always be at his post. In the same town lived another poultryman who possessed as much knowledge on the subject as did Mr. Howe, but who had a lazy vein in his body, and was in the habit of "putting off until tomorrow what he should do today." He was the biggest failure.

Extravaganza Element in Poultrydom

After the 200-Egg-a-Year Hen—What?

By B. F. Hunter, Paris, Tenn.

HERE is in the poultry world a tendency, more or less pronounced, to exceed what may be termed the normal limit of endeavor. In other words, an effort is being made to bring into existence the poultry prodigy, and by thus creating a somewhat unapproachable standard, place a large number of excellent poultry raisers at a great disadvantage.

It could scarcely have been expected that these inordinate attempts at record-breaking would proceed for any length of time unchallenged or without protest. We refer in particular to the tendency to create an abnormally high and yet higher standard of egg production.

If the sole aim of poultrydom is to resolve itself into the accomplishment of a certain egg output, then, indeed, there is little enough ahead to present itself as an object in various ways for more diversified ambitions. But who would seriously contend that the egg-laying record of a hen is the one and only standard by which it should be measured? Quite as well might others attempt to create a popular fad by breeding up a strain of males that would be remarkable for its weight, or the length of its tail-feathers.

It seems to be high time that some should speak out against this inordinate tendency to go too far in the direction of the extraordinary, for so to do is to culpably disregard the law of limitations, which, sooner or later, will find us badly jarred into a recognition of its existence.

There is a German proverb which in the original reads as follows: "Es ist dafuer gesorgt dass die baueme nicht in den Himmel wachsen." The literal translation of this is: "It is so arranged that the tops of the trees do not reach the skies."

This proverb was undoubtedly born in the mind of some sage who complacently looked on the extravaganza tendency of his times, and who knew full well that "although the checks to an evil do not appear, the checks exist and will appear."

Did not the ancient Babylonians yield to a mad ambition when they said: "Let us build us a tower whose top may reach unto heaven?" The result, of course, was inevitable—a stoppage, and there was a confusion of tongues, (a disagreement among the tower-builders). But as of old, so is it now—the same story of attempted record-breaking; greater speed of locomotion; greater heights for aeroplanes; endurance tests for athletes, and so forth, and at last the poultry yard is sought as an extension of the arena for the performances of the extravagandists.

This article is written as a protest against turning our country's magnificent poultry plants into nothing more than headquarters for the production of poultry marvels. The difficulties which are inherent to poultry work in general are certainly numerous enough, and should not have the needless addition of anything in the nature of a sportsman's handicap. Many of our expert breeders are content enough with the accomplishment of such commendable aims as strong vitality; diminution of the mortality among chicks; creating a more and more popular desire for thoroughbred stock; and, not to mention the least, the raising of a high and constantly higher ethical standard for the conduct of the business of the poultry-world.

A more practical consideration of the subject of this article suggests the question: Is the 200-egg-a-year hen really the ideal hen? Or, to propose the question in another form, is it not quite as desirable to develop other qualities which might be said to characterize a really fine poultry specimen? Among these qualities may be mentioned tractability, non-contentiousness, guardianship of the flock, constancy on the nest during the hatching period, and that most splendid quality of any breed—the mothering of the young. Is the cultivation of these qualities to be set aside merely in order that some may loudly proclaim the record of abnormal egg-outputs?

There is certainly no inclination on the part of the writer to belittle the importance of the development and the maintenance of a good laying strain of poultry; but there is, indeed, a vast difference between that which is important and that which is all-important. The best of poultry breeders might radically differ as to what constitutes the latter, while

as to the former there would be a unanimous opinion along certain lines. Moreover, and setting aside all conventional considerations, may it not be conceded that no little difficulty would be encountered in establishing the standard for a good laying hen? What is called an "average" in egg production is at best but a vagary, for how could there be made a compilation of statistics upon which the average egg yield could be determined with any degree of accuracy?

There is, however, what might be called "a natural basis" for determining a good laying strain, and this natural basis would take the following into consideration: there are the broody periods which follow the laying of the monthly litter; the moulting period is certainly one which is taxing enough upon the vitality of a hen, and, as far as possible she should then do but one thing—shed the old feathers, and put on the new ones; added to these are the severely cold periods of the winter season when even the good layers may give no egg-output at all. Thus it will be seen that there are certain natural limitations to egg production, and, if these limitations did not exist, two demands would be made upon a hen at the same time, and could the vitality of any breed stand for any length of time the exactions of such a strain?

Taking these things, therefore, into consideration, may we not conclude that a hen that lays fifteen eggs a month, and eight months in a year, is not only of a high laying strain but that to attempt to "force" her beyond that would be done only at the unaffordable cost of the diminution of her vitality?

In human life it is now pretty well determined what constitutes a normal being—a certain weight for a certain height, and so forth; but, surely it would be an absurdity to decide upon a height of six feet, or a weight of two hundred pounds as the standard man. Why, then, shall we attempt to determine upon the 200-egg-a-year hen as the poultry model? Nature is certainly extravagant and wasteful enough. Shall we endeavor to accentuate these elements of extravagance and waste? It were wise enough to take warning along these lines, and not to fail to remember that there is in this world of ours an omnipotent policeman whom we call Retribution and the blow of his club is heavy.

There is a difference between doing a thing well, and overdoing, and to discern the limits of one, and to avoid the excesses of the other is to acquaint ourselves with one of the fine distinctions of life.

There is certainly enough ahead to invite the poultryman's ambition along the lines of moderate endeavor, and to attempt the extraordinary is but to answer to a seductive call, which, sooner or later, will find us in the danger zone.

The foregoing is not offered with any super-consciousness of its originality; on the contrary, it is believed that what has been written is the expression of the sober judgment of a large number of our contemporaries in the poultry world.

I may possibly be obliged to face a certain odium if I would attempt to answer in a single word the question, after the 200-egg-a-year hen—What? But that word would be—Degeneracy.

Big Events During Poultry Show Week

Poultry Show week at the Appalachian Exposition, October 5 to 12, has been fortunate in securing some of the biggest events that will be seen here during the entire Exposition. October 5 and 6, are Good Roads Days, and this subject is of so great importance to all the people of the Appalachian territory that a large attendance of good roads enthusiasts is sure to swell the crowds. Then on October 7 comes Spanish War Veterans and Roosevelt Day. Everybody from everywhere will surely come to see the most popular man in the United States, and to mingle with the veterans of a war that made Uncle Sam a true world power. October 12, the last day of the show, is Knights of Columbus Day.

These and other events to be announced later mean much for the poultry show in the way of attracting big crowds to see the poultry exhibit. Teddy will be surprised when he beholds what a magnificent exhibition of pure-bred fowls we will have here in the South.



THE INDUSTRIOUS HEN

DEVOTED TO EVERY INTEREST OF THE

Poultryman, Live Stock Breeder and Small Farmer

Entered at the Knoxville Postoffice as second-class matter

OFFICERS OF THE COMPANY

S. B. NEWMAN	President
J. T. OATES	Vice-President
L. B. AUDIGIER	Secretary-Treasurer

ADDRESS ALL CORRESPONDENCE TO

The Industrious Hen Co., Knoxville, Tenn.**Subscriptions in the United States, Cuba or the Philippines****50c A YEAR, THREE YEARS \$1.00****Foreign Subscriptions \$1 a Year. All Subscriptions in Advance****SPECIAL NOTICE TO SUBSCRIBERS**

Your address on the wrapper indicates when your subscription expires. In order not to miss a number it should be renewed one month in advance. If, after your name appears the date "January 11," it means that your subscription is paid to January 1911, and unless renewed will be discontinued after that date.

Vol. 7**JULY, 1910****No. 2****Tell Us About It**

DURING the past season a considerable number of our readers who have had stock and eggs for sale have patronized our advertising columns, and we should like to know what success they have had in several particulars. First, we should like to know what success you had in hatching and raising your chicks and how many you raised, with facts as to feeding, care, etc.; and if you had peculiar conditions, diseases, etc., this year, tell us about them, and what was done to remedy the troubles. Then, we should be pleased to know about your sales, and whether or not you have made a profit from your season's work. Any other information or suggestions that might be interesting and profitable, we should like to have, especially from those who have used advertising space in THE INDUSTRIOUS HEN the past season.

* * * *

John A. Murkin as a Poultry Show Promoter

WHEN it comes to promoting and managing a poultry show, there is no one in this country more capable or better qualified to successfully handle the many important details connected with an exhibition of this kind than John A. Murkin, of Nashville. Mr. Murkin has successfully managed some of the biggest shows all over the country, including the Jamestown Exposition Show, the Atlanta and Nashville Shows, and he was last year officially connected with the great Chicago Show. As superintendent of the State Fair Poultry Show this year, he has done some tall work, and has put forth his best efforts to bring about the best show ever held at the State capital. That he will succeed even beyond expectations is a matter of course. Anybody could work up a good State Fair Poultry Show, because everybody exhibits and visits there; but John Murkin, by long experience and remarkable tact can and does succeed better than almost anyone we know of.

* * * *

American Poultry Association Meeting

THE 35th annual convention of the American Poultry Association will be held in St. Louis, at the Planters' Hotel, August 15 to 18. There are many important questions to be acted upon at this meeting, the most important one being the matter of adopting the illustrations for the new Standard. A hard fight is looked for on this point. There has been much dissatisfaction expressed in some quarters concerning the charges of the artists for doing this work, and a long and heated discussion is almost sure to be the result of the preliminary skirmishing that has taken place prior to the meeting. Then there are a score or more of proposed amend-

ments to the constitution and by-laws to be disposed of, some of which, will no doubt die hard when it comes to the voting, while others will likely have easy sailing.

Taking all things into consideration, this is a most important session of the A. P. A., and it stands every member in hand to attend and take an active part in the proceedings.

* * * *

Poultry Press Association

IT HAS been decided to call a meeting at A. P. A. headquarters, Planters' Hotel, St. Louis, on Saturday, August 13, at 2 o'clock p. m., for the purpose of organizing a poultry press association. Theo. Hewes, of the Inland Poultry Journal, who has taken the initiative in the matter says that "there seems to be a general feeling that such an association properly organized, would work to the good of all." We are in hearty sympathy with the movement and believe that much good would result from the organization, when its principles and objects are carried out on broad, liberal lines. There are all kinds of press associations that seem to be working nicely and accomplishing something. Why not a poultry press association? No better time or place could have been suggested for this meeting, as there will doubtless be editors by the dozens in attendance at the A. P. A. meeting in St. Louis, which begins on the 15th, and most of them will arrive in time to attend the press association meeting on the 13th. We're for a poultry press association and hope to have the privilege of becoming a member.

* * * *

East Tennessee and the State Fair

THE Tennessee State Fair Poultry Show this year promises to far surpass any of the many good shows that have been previously held at Nashville. Under the shrewd management of Superintendent John A. Murkin, more than usual interest has been worked up, with the result that everybody and his birds are going to the State Fair Show, where sales are always good and winnings mean something.

East Tennessee breeders and exhibitors can't afford to miss this show. There are many reasons why this is true, not the least of which is that it is our own State Fair Show, and deserves the hearty support and co-operation of all.

Starting at Nashville, Sept. 19-24, the progressive breeder who has the goods is afforded an opportunity to make a triumphant circuit, taking in the three biggest events of the kind ever seen in the State. Special arrangements will be made to carry the Nashville exhibits on to Memphis, where, from September 27 to October 4, one of the greatest poultry exhibitions of the season will take place. Then by fast express the best of both Nashville and Memphis will be rushed to Knoxville in time for the great Appalachian Exposition Poultry Show, which opens here on October 5, and lasts till the 12th. This is a grand opportunity for everybody who will exhibit this season, and is an especially desirable circuit for East Tennessee exhibitors. It is safe to say that Nashville and Memphis will hear from their brethren in the East this year, and they will be on hand with the "winning ways," too.

* * * *

A Poultry Education By Mail

AMONG the agricultural colleges throughout the country that are doing great work for scientific poultry culture is the State College of Agriculture and Mechanic Arts, at Brookings, S. D. Dr. Arthur A. Brigham is principal of this institution, and he has devised a correspondence course in poultry culture which is furnished to students residing in South Dakota for the small sum of only \$2.00, including text book. On account of the great popularity of this course, and the persistent demand for instructions by non-residents, it was decided to extend the privilege to those interested in the subject in all parts of the country at the remarkably low fee of only \$3.00, which includes text book and thorough personal instruction for one year or until the course is completed. The plan is entirely educational, no profits being anticipated or desired, the nominal fee being intended merely to cover cost of text book and postage.

Dr. Brigham stands in the front rank as a scientific investigator and instructor in poultry subjects, and it would be well for every beginner, and all whose experience have been limited, to take up the course, since the cost is so small that anyone can well afford to prepare himself for a successful career as a poultryman by learning the fundamental principles of the business from one who not only has the requisite knowledge, but the rare ability to impart it to others at

home through a tried and tested system of home instruction. A 2-cent stamp enclosed to College Extension Department, State College, Brookings, S. D., will bring full particulars. Write and find out for yourself what a good thing you are missing.

* * * *

Another Conundrum

A FEW months ago we published our ideas about getting 100,000 circulation for a poultry paper. We thought they were pretty good ideas. We think so yet. In our pursuit of the peaceful and quiet life of journalism it has been our misfortune to inadvertently utter many things with which our contemporaries did not agree, and our good fortune occasionally to suggest something that met with approval. But never in all these years has anything we published been received with such significant silence. Not a word or a reference to it anywhere. Are we disappointed? Not in the least. 'Twas just as we expected. But 'tis useless for them to attempt to evade the issue. There are too many poultry papers, and too many of them engaged in cut throat competition for subscribers, and a wild race for advertisers, with the result that the chief end in life of too many poultry advertisers is to pay their advertising bills.—*Farm-Poultry*.

We didn't "attempt to evade the issue," Brother Robinson. There may be too many poultry papers—we are inclined to think this is the case at least. But we can't see why any one of them should take the initiative in the matter of reducing the number. And, Brother Robinson, we hope you will not become despondent over the fact that you have the good fortune to be editor of one of the "too many" that are engaged in the monstrous crime of trying to obtain new subscribers and advertisers, and on this account allow your usual high spirits to drop to such a low ebb as to cause you to cease furnishing to the world one of the very best and most ably edited poultry journals of the "too many" with which the innocent and unsuspecting subscriber is so ruthlessly inflicted in these troublesome times.

Cheer up; join the press association at St. Louis, and maybe things won't be so bad as they appeared to be awhile ago.

* * * *

Latest and Best Book on Poultry

"Hen and Chicks" is the title of the latest book on poultry, and it is from the press of THE INDUSTRIOUS HEN. During the past, we have been culling from the many good articles that have appeared in THE INDUSTRIOUS HEN, with the intention of putting the very best of these in book form. Our original intention was to publish a book not exceeding 200 pages; but we found there was so much good matter to select from as to make it impossible to get what we wanted in a book of that size, and we were compelled to add to it from time to time until the complete book has over 300 pages. "Hen and Chicks" is 5½x8½ inches, has an attractive heavy paper cover, and is fully illustrated with half tone cuts of different types of the various popular breeds. As for the text matter, we do not hesitate to say that the readers of this new book will get more solid, substantial information on poultry culture in all branches than can be obtained from any other source at the same price, and the inexperienced poultryman will find within the pages of this book just the information and instruction he needs and must have in order to make a success of his business. He will find plain, practical directions as to the best methods to pursue in feeding, housing, caring for and mating his flock for best results, both utility and fancy, and it will answer a thousand and one questions that will be constantly "bobbing up" to annoy and discourage him. You must see a copy in order to appreciate the merits of this book, and as the cost is so little, we expect the entire edition to be sold in a very short time. The price is only 50 cents, or with a year's subscription to THE INDUSTRIOUS HEN, 75 cents. "Hen and Chicks" will be ready for delivery by the time this issue of THE HEN reaches our readers, and in order to be sure of getting a copy of the best book for everybody interested in poultry, we advise you to place your order at once. See full page advertisement elsewhere in this issue.

* * * *

HAVING been informed by Secretary S. T. Campbell, of the American Poultry Association, that all Standards have been sold, we will not be in position to furnish any more of these books until the new edition is ready for delivery. The new book is promised by about November 1 of this year. Reserve your order and we will take pleasure in filling it at the earliest possible date.

The A. P. A. to Be a Delegated Body

"We have said it a thousand times, and say it again: the A. P. A. is going to get itself down on a delegate basis some of these fine days," says *American Poultry Journal*, "and then each state will be a branch and pay its delegates' expenses in attending the annual meeting as well as caring for all the matters which come up in its section. Robinson rings the bell another shot in what he says about the annual meeting and the general representativeness of it. This in *Farm Poultry*. Read it:

"A man pays \$10 for life membership in the association. This gives him for life all privileges of membership in the association without further expense—except the expense incidental to availing himself of the privileges of membership. The only privilege of membership he can exercise without considerable expense is the privilege of voting for general officers by mail ballot. That and the privilege of taking part in meetings are all the privileges pertaining to membership—except, of course, the possible privilege of holding office.

"The average expenses of those who attend meetings of the association cannot be much less than \$25 per meeting, even with a majority of those in attendance coming from places near the place of meeting. Probably very few members ever attend a meeting of the association when the cost of attending such meeting does not exceed the amount of the life membership fee. Those who come from a distance pay much more for the privilege. Kansas and Oklahoma members attending the meetings at Niagara must have spent \$75 to \$100 each for their privilege. That's about what it will cost the New England members who go to St. Louis.

"Very few members, as individuals, can afford to pay for the privilege of taking part in meetings of the association, particularly if to the expense must be added loss of time or salary. That is how and why it happens that so large a proportion of those attending the meetings are representatives of the press and—in general—people who have some special business at the meeting for which their expenses are paid, or on account of which they feel justified in paying the expense out of their own pockets. Will anyone maintain that this is a healthy condition of affairs?

"What the association needs most at this time is to make membership of more value to the individual member. If it cannot do so under the constitution as it stands, the constitution should be made to conform with the need.

"The association should not only undertake more for its members, but it should be so constituted that members will have greater privileges within the association. The only practicable way of bringing this about is by developing the branch organizations. The branches have to be something more than mere recruiting stations for the general association. It is in the branch that the individual member must exercise most of his privileges, and through it that he must get most if not all the direct benefits of membership in the association."

South Central Branch Election, A. P. A.

Following are the officers elected for the South Central Branch for the ensuing year, beginning August, 1910:

For President—John A. Murkin, Nashville, Tenn.

For Vice-President—Jas. P. Kerr, Agricultural College, Miss.

For Secretary-Treasurer—L. B. Audigier, Knoxville, Tenn.

For Executive Board—F. J. Marshall, College Park, Ga.; C. Fred Ward, Winter Park, Fla.; Frank L. Smith, Lexington, Ky.; Roger V. Harp, Lexington, Ky.; C. H. Dozier, Marion, Ala.

The vote stood as follows:

FOR PRESIDENT.

John A. Murkin, 23; Dr. W. C. Cleckley, 8; F. J. Marshall, 9; Loring Brown, 6.

FOR VICE-PRESIDENT.

Jas. P. Kerr, 29; C. H. Dozier, 16.

FOR SECRETARY-TREASURER.

L. B. Audigier, 44; E. F. Langford, 1; Frank L. Smith, 1.

FOR EXECUTIVE BOARD.

F. J. Marshall, 31; C. Fred Ward, 24; Frank L. Smith, 24; Roger V. Harp, 17; C. H. Dozier, 16; H. H. Verdery, 15; E. F. Langford, 15; T. Reid Parrish, 10; L. K. Terrell, 10; Mrs. Florence Forbes, 10; W. C. Cleckley, 9; N. V. Fogg, 9; Loring Brown, 8; C. W. Fowler, 7; J. H. Perrin, 6; Geo. W. Bain, 4; Jno. Low Smith, 4; R. S. Guess, 4; A. A. Chiverton, 2; L. C. Marsh, 2.

L. B. AUDIGIER, *Election Commissioner*.

Some Ideas in Raising the Chicks

A Few Essentials in Raising Utility Stock—Five Things Necessary

By O. F. Sampson, Youngs, N. Y.

FIVE things are very important in raising utility poultry—the strain, the eggs, the care, the house, the feed. To these may be added several less important things favorable to them to a greater or less degree, such as location, grounds, weather, etc. In this I am simply going to speak of the "five essentials" in raising the chicks. Right here I also wish to say that to my mind nothing has a greater influence over the future stock than the feed, and care during the first six to eight months. The strain first; then the man behind the strain—or with it.

I don't pretend to have learned all about the business, but I have learned a few things. I always expect and hope to learn, and when I can't I expect to go out of the business. I don't expect every poultryman will agree with my ideas as a whole, nor would it be a good thing for our industry if we all agreed. There would be less to learn, and less incentive.

My experience this year has been considerably different from that of any year before in my ten years in the business. In the first place the eggs for hatching that I have sold to customers by express have shown unusually poor fertility, while eggs from same pens sold at home during same time have shown as strong or better fertility and given as good hatches as in former years. My experience with eggs shipped me from two other breeders—one a breeder of Black Minorcas, in Ohio; the other a breeder of Buff Rocks, in Auburn, gave more or less trouble. In the former case not one of 15 eggs proved fertile at 7 or 14 day test; while in latter case out of 30 eggs shipped in a paste board box 12 were smashed, and I got 14 good chicks from remainder, 18 eggs. I have talked with several poultrymen in this section this season and every one reports trouble in fertility and hatches; and from reports outside I am of the opinion this trouble has been general. Now just what causes it?

So far I haven't found anyone who can tell. I have my ideas, but what are those of other breeders? I would like to hear from any who have any explanation, or from any who haven't had these troubles this year who will tell me why they haven't. My explanation of them, in part, is this: As to infertility from shipped eggs, I am of the opinion that our contrast in showing is largely due from the very rough handling they receive. We are paying very high express rates for carriage but we often get shipments in miserable condition, regardless of instructions or cautions plainly written. Eggs for hatching may be badly damaged for incubating where no sign of breakage is shown; a jar, or rough handling injures every germ.

A few days since an express agent regarded the notice to purchaser on a package of eggs for hatching I shipped—"Let these eggs rest 24 hours before incubating"—as a mere form; a habit. He evidently was sincere in his contention, because when I asked if he didn't believe eggs should rest after the rough handling by the express companies he replied at once, "Yes, but why not let them rest in the natural way—under the hen." So far as rest goes this isn't the proper or natural way; but I didn't have the time to go into detail as I am going to do here. In the natural manner the eggs a hen incubates were never handled by man and no mineral salts from man's hands ever touched the eggs of the natural or stolen nest. Nor were these eggs ever handled so roughly as by express transportation. They need no rest to let the egg germs become normal again. From these facts alone we see very readily our agent friend's query isn't relevant to the case nor a competent theory. At first it would seem plausible, and really is witty, but not at all practical. As a fact the rest needed for eggs thus shipped must take place entirely separate and before incubation begins; and we know incubation begins in much less than 24 hours after putting eggs under the hen or into the incubator. In fact I believe 36 to 48 hours rest is better than 24 for the usually rough handled eggs shipped a long distance.

In writing upon this subject I am also aware of the fact that many practical poultrymen hold to the same idea of my express agent, and so I repeat that we may often differ in our ideas, and may all be more or less right. Nevertheless, I don't imagine we can be too careful in our incubation nor in the care of our eggs. First, then, secure a pure-bred strain of good layers; then be equally careful of the eggs.

AFTER INCUBATION—CARE OF GROWING STOCK.

As "a chain is no stronger than its weakest link," so no system of poultry-keeping is better than its worst fault. We may secure eggs or young stock from the best living strain, and the eggs may be carefully handled, properly incubated, and a good hatch of most promising stock secured, but if our care and feeding from three days of age to maturity is faulty, our strain and the future stock is spoiled. Unlike the chain, it can't be mended with satisfaction. This is the rock upon which many stumble, and is the shoal that causes many wrecks. It is like building our foundations upon the sands, and the season finds our labors wasted. I have been quite fortunate in this respect, though I can't say I have any system under which I care for growing stock. Every season I find something I think needs improving. Our cold, wet season has been a drawback to me this year, because in taking possession of my poultry plant here on May 12, I had only about 40 head of chicks on account of trouble and expense to move them. I intended getting an incubator going as soon as I came here, but it was so late I concluded to put 50 eggs under borrowed hens and let it go for this season. I'm sorry now I didn't get the machine, though my hatches are coming off tonight (June 6) in pretty good shape, and with forcing will make good stock.

My first experience with chicken lice came the day after I came here. We got chicks into building on night of arrival. In my haste with other work I neglected to examine the building for lice. Having never had any trouble of this nature, I neglected to take the precaution. Consequently in the morning when I went to care for them I found two dead and literally covered with lice. The building hadn't been used since late last season, but the lice were there. I spent the greater part of that day fighting. My first work was to get the birds in the yard and keep them there until I went over every one with salt butter, three parts, and kerosene, one part. I greased the head, vent and under wings of every one, and dusted hens with lice powder. Then I gave attention to the building. I burned two pounds of sulphur in it closed up tight, and left it closed all day. Next day I opened it and gave it a bath of the following wash: unslacked lime, and salt and water in which I kept stirred a good amount of kerosene. Here I made a slight mistake in not then giving the floor a good bath of clean kerosene, as I later did, because a good location in the old boards later developed a second edition of lice. These I got rid of by thoroughly saturating the floor with kerosene. The fumes of the sulphur rose above floor to all parts of the building except the floor itself, where I presume thousands bred. I haven't seen a louse on chicks since, and though it's a job to get rid of them I see no reason for having them, and no birds can thrive in them.

The secret of having well matured birds that will bring good money or get to business early, is to keep them growing. The cold, wet season this year has been a great handicap, as we have had very few days of sunshine, and many, many days of rain. Our ground is filled with water and our yards have been flooded. Our house is dry, but birds can't grow indoors under these conditions.

I used the hen for many years to brood, but the chicks she killed for me were worth money, and I now use the fireless brooders. I haven't lost a chick this year. My first feed is given when birds are 24 to 36 hours old, and consists of whole and cracked small grains. I tried eggs, meal, rice, etc., but the prepared food is cheapest and best for me. I have used it three seasons and never lost a chick by it yet. From 7 to 10 days of age they are allowed free access to the earth from one hour to three or four hours daily. After two weeks old they are given free access to grounds, and range for green feeds in lots unless crops are in. They are now varded, and dandelions, clover, etc., fed daily.

As soon as I can distinguish sex they are separated, and kept separate. Pullets for layers are forced, but stock for mating are not forced; only kept growing. So with cockerels not for market. While I believe stock given free range are quite sure to possess more vigor, I know only farm stock as a rule can be given it. Large yards and more labor must be the outcome if free range isn't given.

Feathers of the Barred Rock Pullet

What Constitutes the Ideal Length of Plumage—Longer Feathers Advisable

By S. T. Divinia, St. Joseph, Mo.

THREE is a wider difference of opinion among the Barred Plymouth Rock breeders as to the correct pullet plumage than almost any other section of this beautiful, yet difficult breed. Standard shape is much more easily discerned than plumage.

The Standard description of breast, back, tail and comb are easier of interpretation than barring and color. Our fanciers generally agree on the Standard requirements so far as mere carcass measurements are concerned, but when we come to the feathers of the pullet of this variety, even successful exhibitors hold widely different opinions.

There are very many shades of color shown by the winning females of our best American shows. These shades of color range from the fairly clean colored male-line female, to the open, splotchy, barless specimen of some years ago.

FOUR DISTINCT TYPES OF PULLETS IN PRIZE PENS.

The experienced eye of the Barred Rock breeder can often readily detect four distinct types of pullets in first prize pens in some of our best shows, and only by a wide stretch of the imagination could any one of them be called standard. I feel that this is true in too many of our high class exhibitions.

Unless there is more uniformity in our exhibits we are sure to lose that general attractiveness which helps greatly in keeping the interest in our chosen bird alive. The cause of this confusion is partly due no doubt to the fact that a few breeders have made such rapid progress in breeding Barred Plymouth Rock pullets, that most fanciers, and not a few judges, have failed to keep pace with them. For long prices, these advanced breeders have placed some of their choice specimens in the show room in their customer's hands and even the judges did not know what to do with them.

WHAT IS THE IDEAL LENGTH OF PLUMAGE?

One thing that will help remedy this matter, clear our ideas, give us more uniformity in judgment is a detailed study of the feather as seen on the pullet. In studying the feather of the Barred Plymouth Rock pullet, every part of it must be considered. How many of us have any idea as to the proper length of plumage for the Barred Rock pullet—taking section by section? It is easy enough to avoid extremes. We all agree that the close, hard feathering of Cornish type is to be avoided, yet at the same time, with extreme length of feather we introduce a number of characteristics which we do not want.

LONGER FEATHERS ARE ADVISABLE.

There is no rule by which any one can determine the proper length of the pullet's feather for any given section. Generally speaking however, I believe we would do well to lengthen the plumage of our females, for I am certain that we find more specimens with too short than too long feathers. Close attention to this detail will help us establish uniformity in the matter.

The shape of the feather is also important. By studying the outlines of feathers from different specimens, we can readily discern many different shapes of feathers. This may be unimportant, yet paying attention to details determines largely whether or not we are specialty breeders.

THE BARRED ROCK PULLET FEATHER IS ENTIRELY TOO NARROW.

Speaking generally, the width of the Barred Rock pullet feather is entirely too narrow. Of all the good pullets it has been my privilege to handle those that suited me best, those that stood out from the rest as particularly good, had without exception rather wide feathers. I do not recall a single specimen in which the feathers were too broad.

Surely the shape and width of feathers have much to do with displaying barring and surface color to the best advantage. Add to the length of feather, shape and width, substance, texture, weight, and you have a combination that will best show off whatever barring the feather possesses.

I have before me a feather from a first prize pullet at a national show. The barring extends from end to end of the feather and is quite uniform—there is no doubt but that the pullet was awarded the blue ribbon partly on this uniformity of barring, shape considered, of course—but if her feathers had possessed greater width, the barring would have shown

to a much better advantage. By paying attention to width of feather, and selecting our breeders with this point in mind, we can gradually widen the feathers of all our pullets.

It is truly remarkable what has been accomplished with the barring. While the feather itself—length, contour, substance, and width—has not had sufficient consideration, who will dare to say that the barring of the feathers has been neglected. But there are many details that still require attention.

Let us take now, for an example, the spacing of the bars—"regular" is the term used in the Standard. The plumage of a great percentage of the Barred Plymouth Rock females seen in our shows, has a large open space between some two of its bars. An old breeder told me that the cause was the improper development of the bird—arrested growth at some stage of its development. This may or may not be the cause—we have no means of knowing it—but by proper selections as well as proper feeding we should seek to overcome the defect.

SHAFT SHOULD BE BARRED WITH WEB.

The bars should be the same width. They should cross at right angles to the shaft of the feather, and extend the entire length of the feather. There should be no broken bars. The shaft should also be barred, and barred in the same places as the web. Too often the shaft barring is in the light back ground, instead of corresponding with the dark barring.

WHERE THE GREATEST PROGRESS HAS BEEN MADE.

I want to call attention to the edges of dark bars. There must be a well defined boundary line between the light and dark bars—as if drawn with a pen. In no section of Barred Plymouth Rock culture has better progress been made than in straightening the boundary line of the bars. It is truly remarkable what has been accomplished, for it can be found in perfection. Taking the Barred Plymouth Rock show females as a whole, and also those in the yards of the foremost breeders, there is yet much to be accomplished. Pay attention to the upper edge of the bar, for it is almost universal that the lower edge of the bar is better than the upper. Examine any feather plate you ever saw, or the actual barred feathers and you will find that this is true.

Having noticed this fact, let us give it due consideration in reference to other matters, and select our breeders accordingly. If you have a pullet, with feathers, the bars of which both edges are distinct, mate her separately and note the results.

IDEAL TIPPING PRESENTS A DIFFICULT PROBLEM.

Another matter that should receive due attention is the tipping. In this question we have a difficult problem to solve. It has a relation to the character of the surface color of the pullet. The length, width, manner of overlapping of the feathers are all to be considered in this surface color, and they all have a bearing on the tipping of the feathers. The number of bars of each feather that show on the surface, has something to do with the ringy appearance so much sought after. I have seen one or two pullets with fairly good surface, showing rings on the rounded portions of the bird, with no tipping at all to the individual feather, yet generally speaking, in the best surface color we find the individual feather with a narrow, dark top, the lower edge of which extends straight across the feather; the upper edge, of course, follows the contour of the end of the feather.

TIPPING ALONE WILL NOT PRODUCE A RINGY SURFACE.

While there is a great demand now for this tipping of the feathers, yet my claim is that tipping alone will not produce a ringy surface. The width of the feather, the number of bars that show on the surface, together with the character of those bars and the manner in which the feathers overlap, all play an important part in producing a handsome surface color on our pullets.

In conclusion, I want to say that it is the upper half of the feather that is the most important. The under-color craze has almost run its course—it is the easiest of all details to obtain, and it is important only as it helps display what is above it.



Crown Bone Cutter

Hen fed out green bone lay more eggs. Get a Crown Bone Cutter. Send to day for catalogues. Wilson Bros., Box 310, Easton, Pa.

BEST MADE
Lowest
in Price

National S. C. Rhode Island Red Club

The Illinois State Branch of the National S. C. R. I. Red Club will hold its annual meeting and election at 2 p. m., October 4th; also School of Instruction October 5th, 1910 at Springfield, Ill., during the State Fair. Meetings will be held in a large tent near Poultry Hall. Club offers five special badges or ribbons to members on best cock, cockerel, hen, pullet and pen. All breeders should join the Club, attend these meetings and compete for premiums. J. S. Walker, Secretary, Palisine, Ill.

Premium list of the Georgia State Fair, Oct. 27 to Nov. 5, has been issued. The Fair will be held at Macon. D. M. Owen of Athens, Tenn., will judge the poultry. George Gilmore, Warthen, Ga., is superintendent of the poultry department.

The Buffalo Incubator

Made by

Chas. A. Cyphers

Has Made Good

THE Crystal Springs Poultry Co., Oil City, Pa., markets 75,000 ducks and chickens per annum. The following letter from them speaks volumes:

"Have just completed a hatch with the Buffalo Incubator, and beg to advise you that it is the largest per cent of fertile eggs taken off this season—ninety-three per cent. "We have ninety-seven machines of different makes, but the Buffalo is far superior to any of them. It takes less to heat it, is more easily regulated, is scientifically simplified in every respect, and certainly far ahead of any incubator upon the market to-day. After my thirty years practical experience in the poultry business, I say to you, do not change it. In the Buffalo you have a world beater."—Patrick McEvoy, Manager.

Send your order to-day. Prompt shipment guaranteed. State size wanted and enclose price with order. I guarantee the Buffalo in every way to be the best incubator ever offered at any price.

50-Egg, \$8.00 200-Egg, \$15.00
100-Egg, 11.00 300-Egg, 20.00
Indoor Brooder, \$7.00 Colony Brooder, \$10.00

Send for Descriptive Circular.

CHAS. A. CYPHERS
President Buffalo Incubator Co.
4714 Ellict Square, Buffalo, N. Y.

"Quaility," Not Quality

Through an error on our part last month we made the advertisement of Hayden Clement, Salisbury, N. C., read, "quality strain" instead of "quaility strain." In writing us regarding this, Mr. Clement says: "I know you will not find the word *quaility* in the dictionary; but it is a perfectly good two dollar word, nevertheless; and if you will permit me to give its meaning, I will say that it means, the highest quality, the acme of quality, the culmination of quality." We accept Mr. Clement's definition, and suggest to our readers that a good way to find out more about the "quality strain" of S. C. White Leghorns is to write Mr. Clement. He certainly has quality to offer, and is a thoroughly practical and reliable breeder with whom it is a pleasure to do business.

THE OLD RELIABLE FOR BIG POULTRY PROFITS.

Keep the chicks growing and hens laying by ridding them of lice & mites. Lousy fowls never pay.

LAMBERT'S "DEATH TO LICE" has been the standby for 25 years. Sure, quick, safe, easy to use. Sample, 10 cents. If not at your dealer's, we'll send direct. Send 2-cent stamp for booklet "Practical Poultry Feeding." O. K. STOCK FOOD COMPANY, 333 Traders Building, Chicago, Ill.



The Best Fall Poultry Show in America

The poultry show held annually in connection with the Great Allentown Fair, at Allentown, Pa., has forged ahead until W. C. Denny, the well-known poultry judge and one of the editors of the American Poultry World, used the above strongly descriptive terms in speaking of this show editorially in the May 1910, issue of his paper.

In the North, at least, the old time contempt for a fair poultry show is rapidly dying out, due to the fact that fairs like the Great Allentown Fair conduct their poultry shows so that they will favorably compare with the best of the big winter shows. In fact this particular show goes further and strives to do even better than the winter shows can do. They have provided a magnificent \$12,000 exclusive poultry show building, permanently fitted throughout with new Empire coops; a new building in which light and ventilation is equal to outdoors, and the floors of which are all cement, daily flushed out. They provide a well paid and a well trained force of employees and make of the poultry and pigeon department a department entirely distinct and independent of any other department. They pay \$20.00 first prize on pens, all varieties poultry, two only to fill a class, and pay as liberal prizes in single entries on poultry, pigeons, ducks, geese, turkeys, etc. They ask for a three day show only, and then open during daylight hours only. To this, to the employees and the management is due the fact that fine birds are not injured or destroyed physically at this show. Also in the last five years there has not been a single bird lost. No officer of the Fair, no employee, no judge can compete for a prize, and the smallest exhibitor, whether he be present or stays at home, gets equal treatment with the biggest. The square deal idea is the dominant one in the management of this big and successful show.

The show is exceptionally well advertised and a win here by any breeder carries reputation and is often easy. Although the aisles are fifteen feet wide they are always full and where the crowds are the enthusiasm and the interest are and the sales of stock, and prospective business made at this show are always big. The Great Allentown Fair is self ranks as the biggest and best county fair in the country and is one of the oldest and wealthiest.

The advertisement appears in another column and we can highly commend this show to all Southern fanciers and urge them to show as they have a big advantage in having young stock at least, more matured than most Northern birds are at that season, for this show comes early, a matter in which the poultry department has no choice, the Fair dates being old-time, established ones.

W. Theo Wittman, one of the best known Northern poultrymen and one of the judges at the Exposition Show, is Superintendent-Manager of the poultry show, and a request mailed to him at Allentown, Pa., will bring a premium list or a courteous letter of reply to any inquiry for further information.

Memphis' Big Show

The Second Annual Show of the Tri-State Poultry Association will be held in connection with the Tri-State Fair, Memphis, Tenn., September 27 to October 4. Their premium list is already out, and from the way they are boasting this show, it is going to be about the biggest thing we know of this year. Some of the most progressive and enthusiastic poultrymen in the country are behind the Tri-State Show, and a great exhibition is absolutely assured. The judging will be by comparison. Entries close September 20. The judges are Marshall, Kummer, and Hewes—three of the best. C. L. Baker, 292 Madison Ave., Memphis, Tenn., is Secretary, to whom should be addressed all inquiries for information, requests for entry blanks, etc.

Remember Chicago

The second annual exhibition of the Great Midwest Poultry and Pet Stock Association will be held in the Ciiiseum Building, Chicago, December 8-14, 1910. The Association offers \$49.00 in cash in every breed and variety Standard and non-Standard.

Empire cages will be used in all departments. The following judges will award the prizes in the poultry department: Geo. F. Burgoft, Sharp Butterfield, Thos. Faulkner, A. F. Kummer, Chas. V. Keeler, O. L. McCord, W. C. Pierce, W. S. Russell and Jas. A. Tucker. Premium list November 1st. Theo. Hewes, Secretary, Indianapolis, Ind.

LEG BANDS

Get our samples and prices before buying. Largest and best line on earth.

Smith Sealed, Used by America's leading fanciers. Prices 12, 30c; 25, 50c, 60, \$1.00, 100, \$1.50; postpaid.

Leader Adjustable, Smoothest and most secure fastening ever invented. Prices postpaid, 12, 15c; 25, 25c; 50, 45c; 100, 65c; 250, \$1.00; 500, \$2.15; 1,000, \$3.25. Send stamp for sample. We make other styles.

KEYES-DAVIS CO., Ltd., Mfrs., Dept. 620, Battle Creek, Mich.



SMITH SEALED



LEADER
ADJUSTABLE

Partridge Plymouth Rock Club

The Partridge Plymouth Rock Club was organized February 8th, 1907, and has held four successful meetings, two at Madison Square Garden and two at Philadelphia. The last meeting was held at Madison Square Garden December 30th, 1909.

New officers were elected to serve for the ensuing year; President, J. A. Hageman, Charlotte, Mich.; Vice-President, E. G. Noonan, Marietta, Pa.; Secretary and Treasurer, M. Harvey Ivins, Langhorne, Pa. The Secretary was instructed to take a vote during July to see where the next annual meeting would take place. The Club is in flourishing financial condition, and elected five new members during the meeting.

We Pay You 50 cts.

for the empty box that contained the remedy, if

CONKEY'S ROUP CURE

fails to cure Roup, Colds or Canker in Domestic Fowls or Pigeons. This wonderful powder is given in the drinking water. C. W. Fowler, breeder of Buff Plymouth Rocks, Smyrna, Georgia, writes: "I believe that every 50c package of Conkey's Roup Cure saves me \$50 in bills at the Killie Germs! An absolute prevention! A splendid tonic. If your dealer cannot supply you we will! Prices, 50c and \$1.00, postpaid. We make one remedy for all diseases. The Conkey Book" (Price 25c) sent FREE if you give name of your poultry supply dealer and enclose 4c postage. Address G. E. CONKEY CO., Dept. 11, Conkey Laboratories, CLEVELAND, O.



Poultry at Kansas City

One of the largest poultry exhibits of the coming season will be held in connection with the Missouri Valley Fair and Exposition, at Electric Park, Kansas City, Mo., September 24-28, 1910. A most liberal list of cash premiums, purses and specials is offered, and full payment guaranteed by management. No strings tied to the winnings at this show. Plenty of space for display of exhibits, and all stock will be given best of care by competent attendants. "A square deal and no favoritism," will be our motto. Premium list now ready. Address C. S. Hunting, Supt., 1034 1/2 Main, Kansas City, Mo.

SPECIAL TO BREEDERS !

Barred Plymouth Rocks

Mrs. Ora M. Huie, R. 5, Newbern, Tenn.

R. I. Reds

Indian Poultry Yards, W. Nashville Tenn

White Wyandottes

R. L. Cole, Newbern, Tenn.

CAPON TOOLS

CAPONS bring the largest profits—100 per cent more than other poultry. Caponizing is easy and soon learned. Progressive poultrymen use

PILLING CAPONIZING SETS

Postpaid \$2.50 per set with free instructions. The convenient, durable, ready-for-use kind. Best material. Wealsome! Poultry Marker 25c. Gape Worm Extractor 25c. Poultry Knife 50c. Capon Free. G. P. Pilling & Son Co., Philadelphia, Pa.

Reason for Buying a Roof that Needs No Painting

In making a roofing the problem of the manufacturer is chiefly a matter of getting a durable wearing surface. In the past roofing manufacturers have depended upon a heavy coat of paint for such protection. If kept properly renewed, a painted roofing will give satisfaction.

The objection to this type of roofing, however, was that the painting constituted a nuisance and expense. The average owner was fairly sure to neglect it, and when the paint wore off—and of course no paint could wear very long under the severe conditions of roof service—the water and frost began to do serious damage.

Of late years the roofing industry has been considerably changed by the appearance of Amatite, a mineral surfaced roofing which needs no paint. It is obvious that a surface which consists of small particles of mineral properly cemented upon the top surface of the roofing will not need any paint. The effect of weather upon the mineral surface is practically negligible.

Amatite costs no more than the painted roofings, and the saving of work and expense has made it exceedingly popular.

A sample of it is obtainable on request from the Barrett Manufacturing Company at New York, Chicago, Philadelphia, Boston, Cincinnati, Cleveland, Pittsburgh, Minneapolis, St. Louis, Kansas City or New Orleans.

Tri-State Has Something New

We have just received premium list of the poultry show to be held at the Great Tri-State Fair, Memphis, Tenn., September 27, to Oct. 4, by the Tri-State Poultry Association, and note the ever hustling officers have again come to the front in the way of a leading attraction. This feature is a new one and no doubt will be very hotly contested for by breeders throughout the entire country, as competition is open to the world. This attraction is as follows: In the center of the poultry building in a conspicuous place, will be placed five coops handsomely decorated, into which, as soon as the judging has been completed, will be placed the best cock, the best hen, the best cockerel, the best pullet, and the best pen in the show. They will be placarded as the champions of the show. Owner's name and address will appear prominently on these coops. In addition to this, these champions will be awarded diplomas certifying them as such and will be banded with gold leg bands properly engraved. The premium list is the most complete ever issued by any association, and will be mailed free on applying to C. L. Baker, Secretary, 292 Madison Ave., Memphis, Tenn.

November 7th to 12th is the date selected for holding the Augusta, Ga., Show. Augusta is backed by progressive men who do things, and they are going to have a splendid show this season. The judges are Wittman, Simons and Ewald. H. W. Cameron is secretary. Write him for premium list and entry blanks.

POULTRY SUPPLIES

MANUFACTURERS
Factory and Mill List

Incubators and Brooders
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Laying Food Forcing Food
Scratching Food Alfalfa
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Grit and Shell Boxes Drinking Fountains
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SPECIAL THIS MONTH

Roofing Paper
Shipping Coops
Lice Paint
Sprayers
Poultry Remedies

Send for our Free Illustrated Catalogue of all Poultry Supplies.

Address nearest office.

CYPHERS INCUBATOR COMPANY,
Buffalo, N.Y., Chicago, Ill., Boston, Mass.,
New York City, N.Y., Kansas City, Mo.,
Oakland, Cal., and London, England.
7000 Dealers in United States and Canada
Sell Our Goods. Ask at your store.



GREAT ALLENTOWN FAIR

POULTRY SHOW

Allentown, Pa., Sept. 20, 21, 22, 23, 1910.

Known as the best fall poultry show in America. Eight well known judges, a magnificent exclusive poultry show building, all new Empire coops. First prizes \$20.00 cash. Two only to fill. A great place to buy, to try out and to sell poultry and pigeons. A 1 railroad accommodations and shipping facilities. For premium list write to

W. THEO. WITTMAN, Supt.-Manager Poultry

or to

HARRY EDELMAN, Supt.-Manager Pigeons.

CHOICE POULTRY YARDS

Single Comb White and Brown Leghorns, White Wyandottes, Rose and Single Comb Rhode Island Reds, Buff Plymouth Rocks, Buff Orpingtons and Silver Spangled Hamburgs win wherever exhibited

Were awarded six 1st prizes, seven 2nds, five 3rds and one 4th at Knoxville, Tenn., 1910 show. Awarded the Industrious Hen \$25 Silver Loving Cup for highest scoring pen in the show, all classes competing; also the Association's \$20 Silver Cup for highest scoring pen of S. C. White Leghorns, and many other specials and club ribbons. Our birds won in every class at Asheville, N. C., 1908 and 1909 shows, our White Wyandotte display being judged the best ever exhibited in the State, and was awarded Diploma by the American Poultry Association for the best White Wyandotte cockerel in the American class. Were awarded most of the specials for which we competed. Our birds are SHOW and UTILITY quality combined and are surpassed by none. We have had thirty years experience in breeding Standard-bred poultry. Our prices are reasonable and satisfaction guaranteed or money refunded. Reference, Bank of Waynesville. Catalogue free.

J. P. SWIFT & SON -:- WAYNESVILLE, N. C.

"RINGLET" BARRED PLYMOUTH ROCKS

In their purity. Bred for utility as well as beauty. Young stock for sale. Eggs \$1.50 per setting of 15.

A. G. CALLAWAY

38th and Market St.

LOUISVILLE, KY.

WHITE WYANDOTTES

STRONG—VIGOROUS—HEALTHY—FARM RAISED

Some very choice stock for sale. Eggs for hatching. Very heavy layers.

WOODMERE FARM

FOUNT H. RION

BRENTWOOD, TENN.

A \$10,000 Poultry Farm at Fort Smith

The poultry interests in and around Fort Smith are still on the boom. The Union Poultry Journal has been moved to that point. C. G. Watkins is editor, and he will tell the world all the many good things about Fort Smith as a poultry center in future issues of his journal. A \$10,000 poultry farm has just been incorporated at Fort Smith. The farm will consist of forty acres, and will be managed by A. E. Baker, of Parsons, Kansas. There will be other experienced poultrymen interested in the farm and a great success is assured. High prices are being paid by Fort Smith breeders for the best thoroughbred stock to be had, and with the push, energy and enthusiasm that is being manifested on all hands, it is very apparent that the progressive people of that section are determined to make it one of the leading poultry centers in the country. They deserve success and will attain it.

24 LEGBANDS FREE MAKE YOUR HENS PAY

We send free 24 of the best Leg Bands made to every new and renew-

125

PAT. APPLIED FOR

ing subscriber to THE INDUSTRIOUS HEN at 50c. 86 Bands will be sent with a three years subscription for \$1.00. If you are already a subscriber you may renew; or if you will get your neighbor to send 50c for his subscription, we will send a dozen Leg Bands to each. Enclose money order or stamps. Mention "Leg Bands" when subscribing under this offer.

**THE INDUSTRIOUS HEN CO.
KNOXVILLE, TENN.**

The Jackson (Mich.) Poultry and Pigeon Association will hold a show December 31 to January 5. H. P. Schwab and F. W. Traviss, judges; W. O. Wellman, Secretary.

The Crawford County Poultry Association will hold their next show at Hutsonville, Ill., December 20-23. F. L. Shaw, judge; J. S. Walker, Secretary, Palistine, Ill.

HER DOUBLE CHIN MYSTERIOUSLY DISAPPEARS

A Marvellous Transformation in a Single Night.

The happiest girl in the world to-day is Mae Edna Wilder, of Rochester, New York. She is happy because she has escaped from the thralldom of superfluous flesh—escaped through a process of her own discovery. She removed

her double chin and 30 pounds of excessive flesh. Her friends are happy, too, because they have used it with the same result. It is an external application that simply dissolves superfluous flesh and drives it out of existence. Its discovery was ac-

cidental, like many other great discoveries have been, it is just as effective as it is simple. You put it on at night for a few nights just where you want the superfluous flesh taken off—on chin or shoulders or abdomen—and lo, the startling transformation.

Miss Wilder is so enthusiastic that she will send, free, to any one, full information in regard to this wonderful process of relieving the sufferings of those who carry a burden of superfluous flesh. A post-card addressed to Mae Edna Wilder, Dept. 198-A, Rochester N. Y., will bring full particulars and an enthusiastic letter by return mail. This information is absolutely free, but do not write for it unless you are a sufferer from superfluous flesh. It does not interest those who are thin.

A Poultry Fable

The hen returned to her nest only to find it empty. "Very funny," said she; "I can never find things where I lay them."—*July Lippincott's*.

Preparations are being made to have a large poultry exhibit at the County Fair to be held at Jonesville, Va., October 4 to 7. J. O. Woodward is superintendent of the poultry department.

A tri-county fair will be held at Silkeston, Mo., September 28 to October 1, at which special attention will be given to poultry. Adam Thompson will judge. Geo. Greathouse is superintendent.

SINGLE COMB WHITE LEGHORNS "ROYAL WHITE STRAIN"

The kind with the long backs. All breeders guaranteed to score 91 to 94. Best egg-producing strain in South. Stock for sale. Eggs \$1.50 per 15, or \$6.00 per hundred balance of season, and satisfaction guaranteed.

J. B. VINSON, Pine Bluff, Ark.

Secretary's Entry Book

A very compact book, size 8 1/2 x 8 1/2 inches, giving ample space for making entries without crowding. Printed on best quality of paper and handsomely bound. Our simple labor-saving system of special indexing is a feature that adds much to the value of the book, and affords a great saving of time in making entries.

50 Leaves \$1.00
75 Leaves 1.50
100 Leaves 2.00

The 50-leaf book gives room for 750 entries; the 75-leaf for 1125 entries; and the 100-leaf book allows for 1500 entries.

Thus you can select a size suited to the requirements of any show. Send cash with your order and the book will be sent, all charges prepaid. Make remittance payable to

THE INDUSTRIOUS HEN COMPANY,
Knoxville, Tennessee.

Care of Chicks in the Townsend Tests

Hon. C. F. Townsend, President of the National Poultry Association is conducting a series of extensive tests at his home in Weedsport, N. Y., in which only the finest birds, from breeders of unquestioned standing, are admitted, writes Mr. George Cugley, the well known manufacturer of Springfield, Ohio, who recently visited Judge Townsend, and took careful notes of his methods.

The varieties that have been admitted thus far include pens of U. R. Fisher's Exhibition White Plymouth Rocks, the late R. C. Tuttle's Rose Comb Rhode Island Reds, F. I. Bennett's Buff Leghorns, S. A. Noftzger's Partidge Plymouth Rocks, Judge Lewis' Brown Leghorns, L. H. Perry's Rose Comb White Leghorns, a pen of exhibition Houdans, which was subsequently withdrawn and an unnamed variety of new Rose Comb Buffs. Test shipments of eggs were made to various points from Maine to Oregon, and from Wisconsin to Texas. Reports of these shipments, covering lowered express rates—thanks to the energy of the National Poultry Association—on various packages used, the hatching of such eggs etc., will be made later when the reports of the 1910 results with the adult fowls are made public.

The chick tests were numerous, interesting and valuable. Incubating was done with various machines and with hens. With the sole exception of the Reds the eggs were remarkably fertile. The hens used were Wyandottes, Plymouth Rocks, and Rhode Island Reds, and with them several hatches or from ninety to one hundred per cent of all eggs set were recorded. The hens were set in Nieman Bros. metal coops and in common boxes; but in every case they were placed on sods, with the grassy side up, and a handful of litter thrown in—the object being to get as near nature as possible. Record hatches were made by the Buckeye Cyphers, an old style model and an Old Trusty. Before setting, all eggs were dipped in a creolin solution—one gill of creolin to eight quarts of water. The hens were treated for lice before setting and at the beginning of the third day before the hatch was due.

When the hatch was over all chicks were placed in Lullaby brooders—from ten to twenty in each—where they rested, warm and cosy, for from thirty to forty-eight hours. Then a small amount of fine grit and medicated charcoal was placed in each brooder, the bottom of which was covered with a deep litter of short cut alfalfa. Two hours later a first meal of Park & Pollards Gritless Chick Feed was given.

One important question to be answered was how to feed best with the least amount of labor. Where many chicks are cared for the old method of frequent feeding with wet mash means much, and apparently needless, extra labor. Therefore during the first week only the aforesaid feed—composed chiefly of dry grains—was fed. A liberal amount of this, with the medicated charcoal and grit, was scattered in the litter, and the chicks were left to scratch for their food. At the end of a week the chicks were placed in Buckeye Colony brooders, the lampless system being used. These brooders are 3 by 6 in size, well lighted and the chicks, to the number of from 40 to 75, were confined therein for another week. The floors were covered with a deep litter of alfalfa, on which a day's supply of grain was scattered. After the first week a supply of growing feed—a dry mash—was placed in a stone dish, and with grit, charcoal and water in fountains the chicks were left to care for themselves.

This method has reduced labor to a minimum. Moreover, among the large number hatched from the several varieties, there has not been a single case of sickness of any sort. The chicks are strong, lusty and growing rapidly. From all points of view the tests are a positive success.

SOMETHING TO GROW ABOUT
"HEN-E-TA"
ABOUT 30% PURE BONE ASH
NO OTHER BONE NEEDED
NO GRIT NEEDED
NO MORE BONE CUTTERS NEEDED
NO MORE BEEF-SCRAPS NEEDED
NO MORE CHARCOAL NEEDED
NO MORE OYSTER SHELLS NEEDED
100 LB. BAG \$2.25 150 LB. BAG \$1.50
VALUABLE BOOKLET FREE
ASK YOUR DEALER OR WRITE
HEN-E-TA BONE CO.
NEWARK, N.J. DEPT. 8 FLEMINGTON, W.VA.

EVERY CHICK CURED!

Flomaton, Ala., 8-17-09

MESSRS. SMITH BROS.

Haley, Tenn.

Gentlemen.—The Chicken Pox and Sore Head Remedy you sent me is all right and will cure sore head. Cured every bird I used it on.

The above is a part of a lengthy letter written us by Mr. D. C. O'Gwynn, and is a sample of many more we have on file. If you have any disease among your flock, Smith's Remedies will cure them, so tell us your troubles. We use Smith's Remedies every day and guarantee them.

Fancy Poland China pigs \$18.00 per pair. Fox Hound and Fox Terrier pups, none better, \$10.00 per pair.

ADDRESS

SMITH BROS.

McLean Sta., R. 7, Nashville, Tenn.

The SOUTHERN PLANTER

The South's Oldest, Largest and Best Farm Magazine
and THE INDUSTRIOUS HEN, both one year for 50 cents.

INDUSTRIOUS HEN CO., Knoxville, Tenn.

FATHER OF R. F. D.

Those who live on Rural Routes owe a great debt to Tom Watson, whose weekly magazine, The Jeffersonian, offers you a

LIBERAL EDUCATION

Only \$1.00 a year.

The Jeffersonian, Thomson, Ga.

IS

IT POSSIBLE to get strong chicks from weak eggs? Certainly not. Select all eggs for hatching by the Magic Egg Tester. Buy of your dealer in poultry supplies, or direct from us. Fully guaranteed. By mail \$2.00.

Magic Egg Tester Works, Dept. G, Buffalo, N.Y.

THE CLIPPER

will cut tall grass, short grass and weeds, and do all the trimming along the fences, walks and drives.

If your dealers do not keep them, let us know, and we will send circulars and prices.

Clipper Lawn Mower Co., Dixon, Ill.

EGGS FOR SALE EGGS

EGGS Exclusively pure strain S. C. White Leghorns. Prize winners. World renowned egg

EGGS producers. EGGS
O. H. TINDELL, FOUNTAIN CITY, TENN.

S. C. BUFF ORPINGTONS FOR SALE

Memphis winners. Hens \$3.00 each. Eggs \$2.00. Cockerels.

MRS. W. A. GIBBONS, Conway, Ark.

MEMPHIS, TENNESSEE

Sept. 27--Oct. 4, 1910

SECOND ANNUAL SHOW

TRI-STATE POULTRY ASSOCIATION at GREAT TRI-STATE FAIR

Bigest and Best Show in the South.

\$3000.00 CASH PRIZES

RIBBONS BY SPECIALTY CLUBS

Judges: Theo. Hewes, A. F. Kummer, F. J. Marshall.

YOU WILL GET WHAT YOU WIN

Send for premium list and entry blanks to BEN E. BERRY, Supt., Tri-State Fair Grounds, Memphis, Tenn.

COLLIE PUPS FOR SALE

We have perfectly marked, sable and white and tri-color pups, male and female, from two to four months old for sale. They are from our best bitches, by Ben Hur and King Lear. If a Collie pup is what you are after, and a good one, write us and we will endeavor to supply your wants. We have the blood lines, the markings and the stock and are anxious to sell. Every pup is sold under guarantee and a pedigree furnished free—all subject to registration. As the age, sex and markings govern the price, state what you want. We also make a specialty of spayed bitch pups.

If you are curious and want to know what some people think of pups we have sold them, and of our reliability, write to any of the following gentlemen: Leo B. Smith, Williamsburg, Iowa; Cornelius Young, Hampton, Fla.; Judge W. L. Thompson, Heber, Ark.; James M. Frank, Nashville, Tenn.; Hon. Clayton D. Potter, Jackson, Miss.; Hon. Sam G. Shields, Walter J. McCoy, Knoxville, Tenn. Can give hundreds of others.

KNOX COLLIE KENNELS,

KNOXVILLE, TENNESSEE

KING LEAR AT STUD

This fine young stud, twelve months old, out of Beauty Bright by Ben Hur, is the most perfectly marked, sable and white Collie we ever saw. He has a fine head, perfect ear-carriage, elegant coat and is as bright as a dollar. His dam is the daughter of Anfield Major, Ch. Anfield Model, Ch. Parbold Piccolo, out of Ch. Cordia, Brandane Clinker, Wishaw Princess. Stud fee \$10.00. Will sell him for \$150.00.

Shadrach (Alias BEN HUR) Fee \$10

Ben is a sure setter of handsome litters and is in every sense a great dog. His sire is Alstead Bruce, Pacemaker, Ch. Wishaw Clinker, out of Montrose II, Lothian Princess, Nellie Wonder. Will sell him for \$100.00.

Matrons will be well cared for, safety and service guaranteed. Ship by express, charges prepaid to

KNOX COLLIE KENNELS,
Knoxville, Tenn.

“OCULUM”

Makes layers at four months. Inoculated fowls healthy. Penny inoculates ten chicks. Cures Diarrhea in calves, goats, sheep and colts. Bottle \$1.00. Experimental size 25c.

HANCOCK INOCULATUM CO., Inc.

SALEM, VA.

BOOKS RECEIVED

Progressive Poultry Culture

Progressive Poultry Culture, by Arthur A. Brigham, Ph.D., which, according to the author, "was commenced in New England, continued in Maryland and completed in the Black Hills of South Dakota," contains within its 287 pages a world of practical and useful information and instruction for the poultryman that is not presented in any other book of like character, at least in so systematic and scientific a manner. Dr. Brigham is principal of the State College of Agriculture at Brookings S. D., and having given years and years of work and study to the practical as well as the scientific side of the poultry business, we know of no one more competent to give advice and instruction on the subject, or more fitted to impart to his readers the wonderful fund of knowledge with which he is so generously endowed.

Chapter 1 of the book treats of the basis and beginning of the business, qualifications of the poultryman, and of his preparation for practical work. Chapter 2 deals with the matter of inheritance, environment, and exercise of functions, in their relation to the propagation of fowls; the principles of breeding—line breeding, cross breeding—methods of mating, and the influence of climate, food and exercise. Chapters 3 and 4 treat comprehensively the subjects of incubation and brooding, followed by Chapter 5 on growing chickens, and contains also full and complete instructions on caponizing. The subjects of feeding, parasites and diseases, marketing, housing, and fencing, exhibiting, scoring, and judging, records, accounts, advertising, and methods of management, are each treated in the remaining portions of the book in language that any one can easily understand. Illustrations are used where necessary to make the text clear. Each subject is fully treated in the light of the very latest practice and discovery; and the author being himself a practical poultryman, has omitted nothing that it is essential for the beginner to know. Even the subjects of keeping records and accounts, and the proper way to advertise are discussed in such a business-like manner that a careful reading of these articles alone is likely to prove to be worth more than the price of the book.

For Progressive Poultry Culture the publishers charge \$1.50. By special arrangements, we can furnish the book and a year's subscription to THE INDUSTRIOUS HEN, both for \$1.50. Address THE INDUSTRIOUS HEN Co., Knoxville, Tenn.

Doe-Wah-Jack Fanciers' Association of Dowagiac, Mich., will hold their fifth annual exhibition December 7-10. Chas. V. Keeler, judge; A. C. Robinson, secretary.

AIREDALE PUPPIES FOR SALE

The greatest all-purpose dog alive. He is not pretty but he's great. He has as much sense as any other four-footed animal and can be taught to do anything any other dog can. He makes a fine watch dog; is noiseless and fearless, and can be depended upon to take care of himself under all circumstances. His nose is as keen as any hunting dog's and he makes the best coon, possum, squirrel and rabbit dog in existence. He is a lover of water and takes to it like a duck—hence makes a fine retriever. Bird hunters lose half the birds they kill because they can't find them. The Airedale can easily be taught to get them. In the West he is used for hunting large game, like lion and bear. He will go in a hole after a badger, pull him out and whip him. He is not "scrappy", looking for a fight, but you may depend on him to take care of himself. In short, he is the gamest dog alive and is the best all-purpose dog living. We have four puppies for sale; two females and two males—at \$15 and \$20. They are out of thoroughbred, registered stock, and can be registered with the American Kennel Association. A pedigree with every pup. Send your orders to the

KNOX COLLIE KENNELS
Knoxville, Tennessee.

The Faulkner County Fair Association will hold their Second Annual Fair, October 4-7. W. M. Owen is manager.

conquers and prevents Cholera, Typhus, White Diarrhea. Frees from lice

MAMMOTH BRONZE TURKEYS BARRED PLYMOUTH ROCKS MAMMOTH PEKIN DUCKS

Eggs and stock for sale in season

Mrs. W. J. LANDESS, R.5, Fayetteville, Tenn.


S. C. White Minorcas
Eggs \$1.50 per 15
My birds won at Knoxville, 2
ckl; 1, 2, 3, 4 hen; 1 pen.
Write Your Wants to
W. B. IRWIN
MARYVILLE, TENNESSEE

Virginia Beauty Orpingtons, S.C. White

Kellerstrass strain. Large, strong and vigorous. Native bluegrass yards and range. Two pens only. Eggs, \$2.00 and \$4.00 per 15. Cockerels for sale.

V. L. SEXTON, Graham, Virginia
Member Virginia Poultry Association.
Member American White Orpington Club.

DAY OLD CHICKS FOR SALE

Dixon, Illinois and Clinton, Iowa, prize-winning White Plymouth Rocks. 25 chicks, \$5.00; 50 chicks, \$7.50. Not a bird in any of my pens that scores less than 94. Eggs from Pen No. 1, \$2.50; Pen No. 2, \$2.00. H. H. RUTH, Morrison, Ill.

If you want something good in
S. C. White Leghorns
 try me. If you want the cheap kind try some
 one else. Send your orders to Breeders who will
 back their claims—I do this.
 A few nice Cockerels left. Will go at \$1.00 each.

PAUL W. BARCLIFT
 Hartselle, Alabama

**FRANK'S SINGLE COMB
 RHODE ISLAND REDS**

Write for Catalogue

JAMES M. FRANK
 Cherry St., near Church, Nashville, Tenn.

**WHITE PLYMOUTH ROCK
 EGGS**

\$1.00 for 15. \$1.75 for 30 balance
 of season. From good stock. Fishel and other
 leading strains.

L. C. CASS
 MARION, KY. R. R. No. 1

S. C. BUFF ORPINGTONS

Imported strain, rich golden buff throughout, up to weight. Mine are winter layers, and win the Blue. Eggs \$2.00 per 15. Stock a matter of correspondence.

MRS. LULA LAWSON
 Route 4, Box 2, Cleveland, Tennessee

R. C. R. I. REDS

Both Stock and Eggs for Sale. Can furnish birds that I guarantee to win in fast company. Write your wants to

MARION OLIPHANT
 KENTWOOD, LA.
 Specialty breeder of R. C. Reds

ATTRACTIVE OFFERS

ON

High Class Buff P. Rock Eggs

To quick buyers, balance of season. If you wish eggs from birds that have been carefully bred for years for both heavy egg yield and fancy feathers as well as large, fine-shaped birds, write us for this special offer; it will interest you. These birds have been leading winners at Louisville, Ky., and other noted shows for years. Write at once to

J. C. CLIPP

Box 700

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